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=> d his

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FILE 'REGISTRY' ENTERED AT 11:00:58 ON 29 APR 2004

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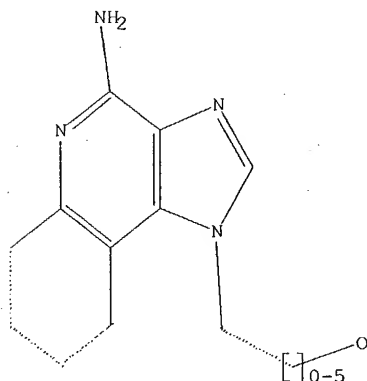
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L3 HAS NO ANSWERS

L3 STR



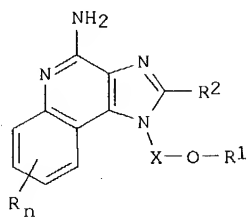
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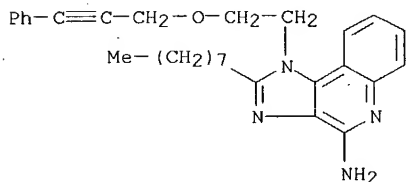
L6 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:892446 CAPLUS
DN 139:364934
TI Preparation of aryl ether substituted imidazoquinolines as immune response
modifiers
IN Heppner, Philip D.; Charles, Leslie J.; Dellaria, Joseph F.; Merrill,
Bryon A.; Mickelson, John W.
PA 3M Innovative Properties Co., USA
SO U.S. Pat. Appl. Publ., 97 pp., Cont.-in-part of U.S. Ser. No. 13,202.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 11

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003212092	A1	20031113	US 2002-165750	20020607
	US 6677348	B2	20040113		
	US 2003212091	A1	20031113	US 2001-13202	20011206
	US 6670372	B2	20031230		
	US 2004072858	A1	20040415	US 2003-675833	20030930
PRAI	US 2000-254218P	P	20001208		
	US 2001-13202	A2	20011206		
	US 2001-11921	A1	20011206		
OS	MARPAT 139:364934				
GI					

This appⁿ



- AB The title compds. [I; X = (CH₂)₂, CH₂CH₂, etc.; R₁ = alkenyl, aryl, R₄-aryl; R₂ = H, alkyl, alkenyl, etc.; R₄ = alkyl, alkenyl which may be interrupted by one or more O atoms; R₃ = H, alkyl; n = 0-4; R = alkyl, alkoxy, OH, etc.] that contain ether and aryl or alkenyl functionality at the 1-position, and are useful as immune response modifiers, were prepared E.g., a multi-step synthesis of I [X = (CH₂)₂; R₁ = CH₂C.tplbond.CH; R₂ = H; n = 0] which showed the lowest effective concentration of 0.12 μM and 1.11 μM to induce biosynthesis of interferon α and TNFα in human cells, resp., was given. The compds. I can induce the biosynthesis of various cytokines and are useful in the treatment of a variety of conditions including viral diseases and neoplastic diseases. The pharmaceutical composition comprising the compound I is claimed.
- IT **437602-85-2P**
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (preparation of aryl ether substituted imidazoquinolines as immune response modifiers)
- RN 437602-85-2 CAPLUS
- CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-octyl-1-[2-[(3-phenyl-2-propynyl)oxy]ethyl]- (9CI) (CA INDEX NAME)



- IT 437600-83-4P 437600-84-5P 437600-85-6P
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 437600-89-0P 437600-90-3P 437600-91-4P
 437600-93-6P 437600-95-8P 437600-97-0P
 437600-99-2P 437601-00-8P 437601-01-9P
 437601-02-0P 437601-04-2P 437601-05-3P
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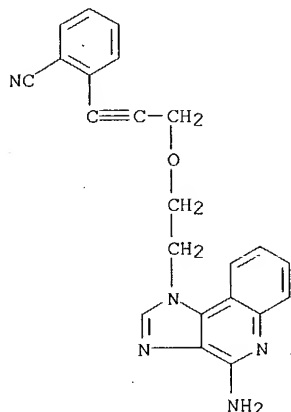
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437603-21-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(preparation of aryl ether substituted imidazoquinolines as immune response
modifiers)

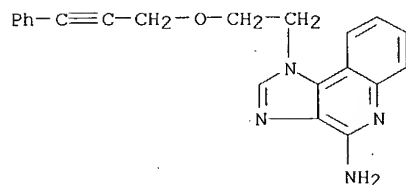
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RN 437600-84-5 CAPLUS

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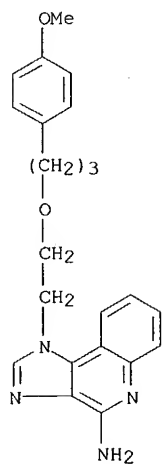


RN 437600-85-6 CAPLUS

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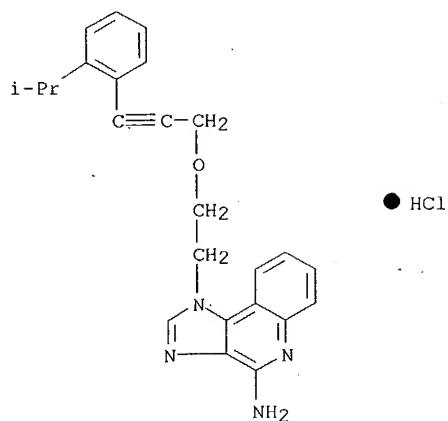
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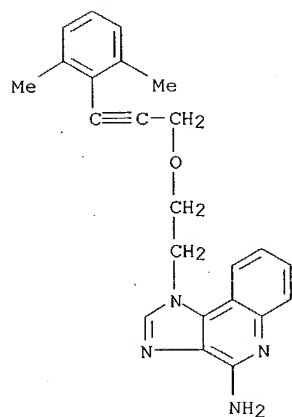
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[3-[2-(1-methylethyl)phenyl]-2-propynyl]oxy]ethyl]-, monohydrochloride (9CI) (CA INDEX NAME)

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RN 437600-89-0 CAPLUS

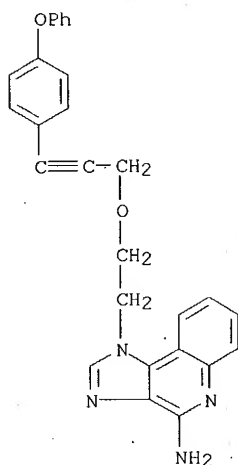
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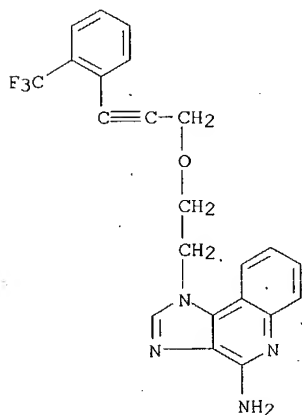
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10696753



RN 437600-91-4 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[3-[2-(trifluoromethyl)phenyl]-2-propynyl]oxy]ethyl]- (9CI) (CA INDEX NAME)



RN 437600-93-6 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[3-[4-(1H-pyrrol-1-yl)phenyl]propoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

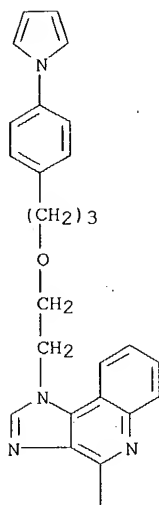
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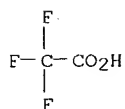


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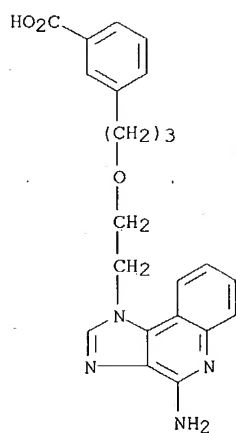


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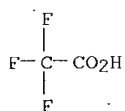
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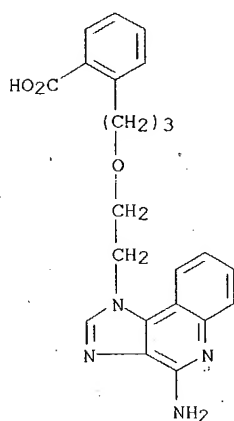
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RN 437600-97-0 CAPLUS
CN Benzoic acid, 2-[3-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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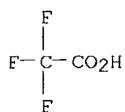
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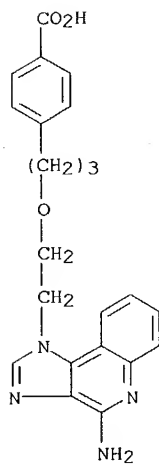
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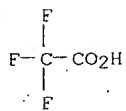
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RN 437600-99-2 CAPLUS
CN Benzoic acid, 4-[3-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)
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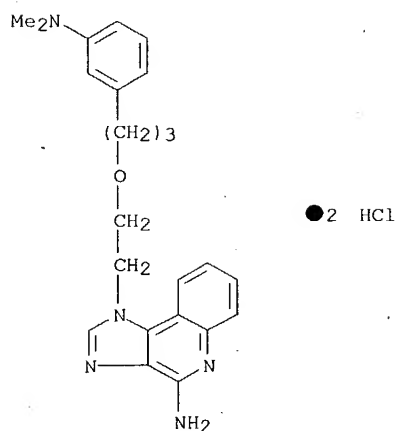


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CRN 76-05-1
CMF C2 H F3 O2



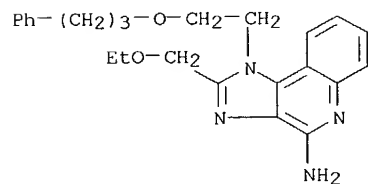
RN 437601-00-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[3-[3-(dimethylamino)phenyl]propoxy]ethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

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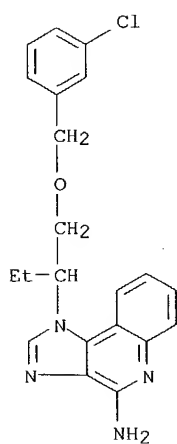
RN 437601-01-9 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(ethoxymethyl)-1-[2-(3-phenylpropoxy)ethyl]-, hydrochloride (2:3) (9CI) (CA INDEX NAME)



RN 437601-02-0 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[3-(3-chlorophenyl)methoxy]methyl]propyl]- (9CI) (CA INDEX NAME)



RN 437601-04-2 CAPLUS

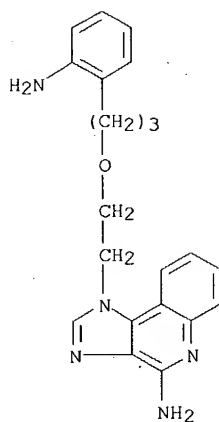
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[3-(2-aminophenyl)propoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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CRN 437601-03-1

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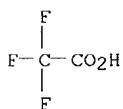
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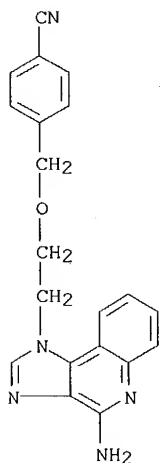
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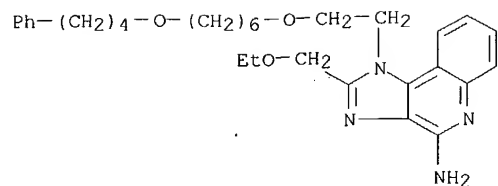
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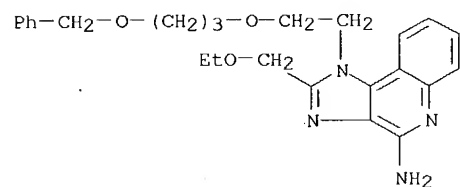
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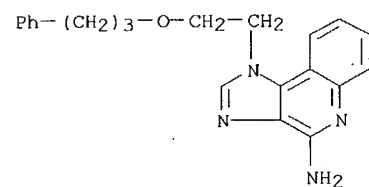
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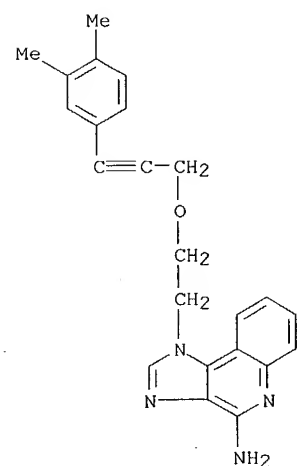
RN 437601-08-6 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(3-phenylpropoxy)ethyl]- (9CI) (CA INDEX NAME)



RN 437601-09-7 CAPLUS

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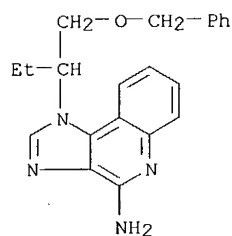
RN 437601-11-1 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[(phenylmethoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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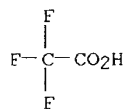
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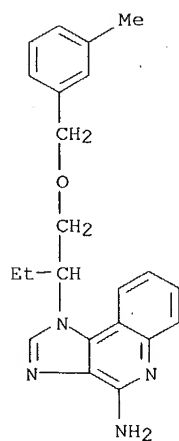
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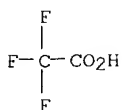
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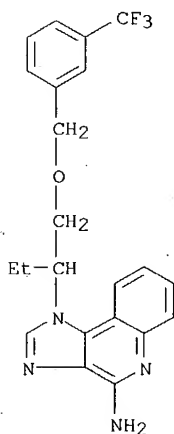
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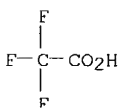
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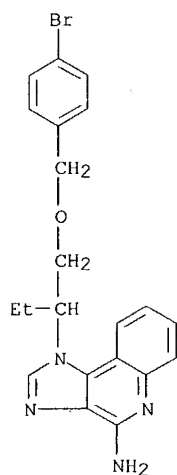


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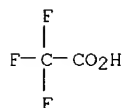
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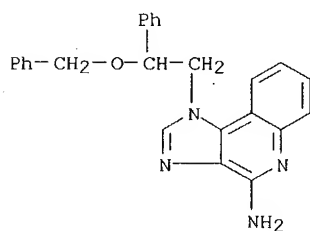
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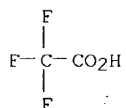
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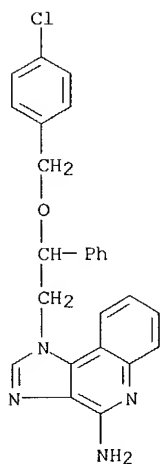
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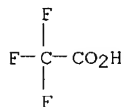
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CM 2

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RN 437601-23-5 CAPLUS

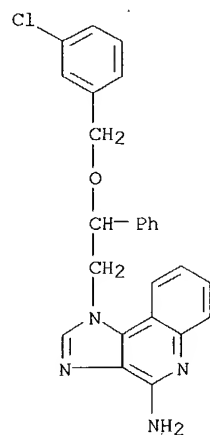
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(3-chlorophenyl)methoxy]-2-phenylethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-22-4

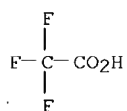
CMF C25 H21 Cl N4 O

10696753



CM 2

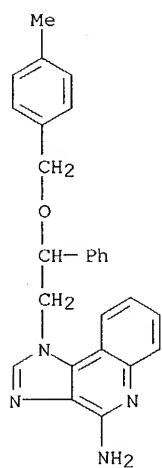
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-25-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(4-methylphenyl)methoxy]-2-phenylethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

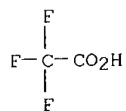
CRN 437601-24-6
CMF C26 H24 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

10696753



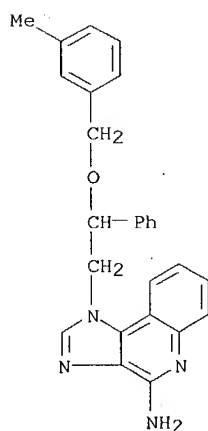
RN 437601-27-9 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(3-methylphenyl)methoxy]-2-phenylethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-26-8

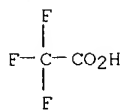
CMF C26 H24 N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437601-29-1 CAPLUS

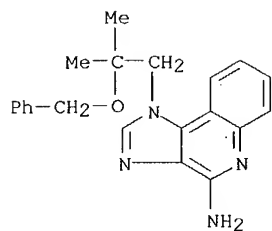
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-2-(phenylmethoxy)propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-28-0

CMF C21 H22 N4 O

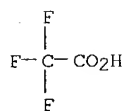
10696753



CM 2

CRN 76-05-1

CMF C2 H F3 O2



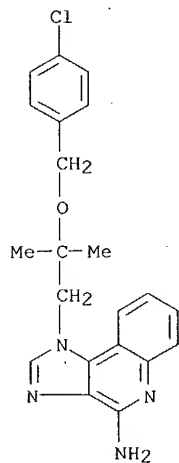
RN 437601-31-5 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(4-chlorophenyl)methoxy]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-30-4

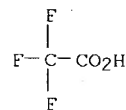
CMF C21 H21 Cl N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2

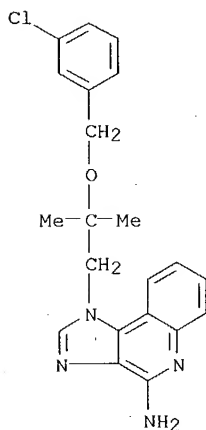


10696753

RN 437601-33-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(3-chlorophenyl)methoxy]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

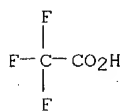
CM 1

CRN 437601-32-6
CMF C21 H21 Cl N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

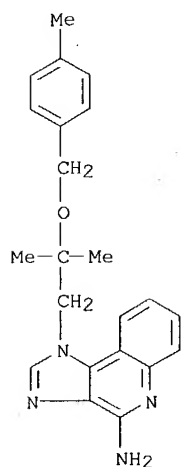


RN 437601-35-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-2-[(4-methylphenyl)methoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-34-8
CMF C22 H24 N4 O

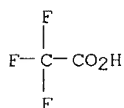
10696753



CM 2

CRN 76-05-1

CMF C2 H F3 O2



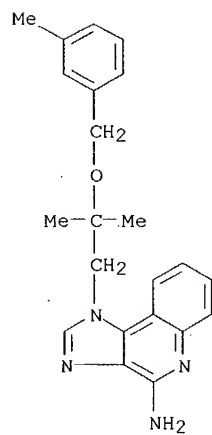
RN 437601-37-1 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-2-[(3-methylphenyl)methoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-36-0

CMF C22 H24 N4 O

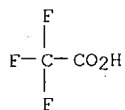


CM 2

CRN 76-05-1

10696753

CMF C2 H F3 O2



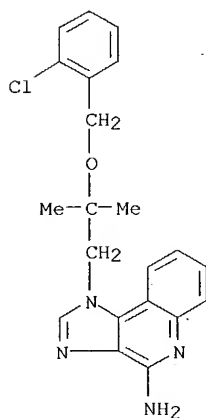
RN 437601-39-3 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(2-chlorophenyl)methoxy]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-38-2

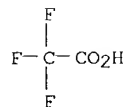
CMF C21 H21 Cl N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437601-41-7 CAPLUS

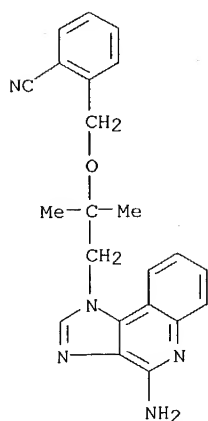
CN Benzonitrile, 2-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)-1,1-dimethylethoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-40-6

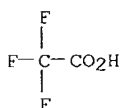
CMF C22 H21 N5 O

10696753



CM 2

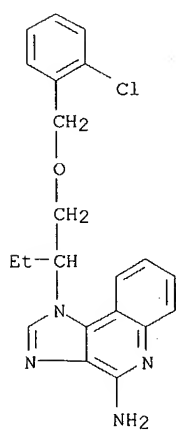
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-43-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[(2-chlorophenyl)methoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME).

CM 1

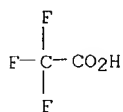
CRN 437601-42-8
CMF C21 H21 Cl N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

10696753



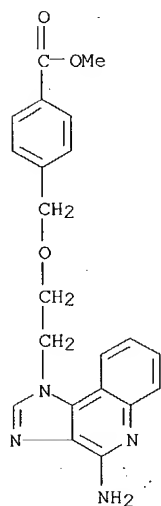
RN 437601-45-1 CAPLUS

CN Benzoic acid, 4-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy)methyl]-, methyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-44-0

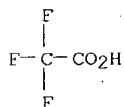
CMF C21 H20 N4 O3



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437601-47-3 CAPLUS

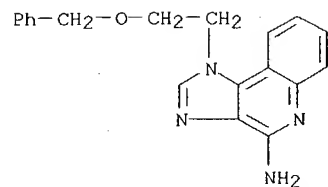
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(phenylmethoxy)ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-46-2

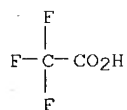
CMF C19 H18 N4 O

10696753



CM 2

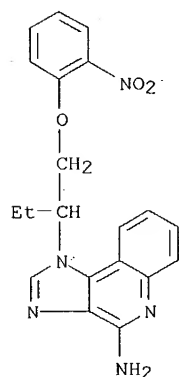
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-50-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[(2-nitrophenoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

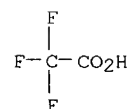
CM 1

CRN 437601-49-5
CMF C20 H19 N5 O3



CM 2

CRN 76-05-1
CMF C2 H F3 O2

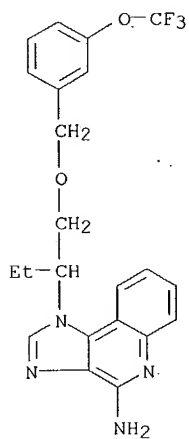


RN 437601-52-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[3-(trifluoromethoxy)phenyl]methoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

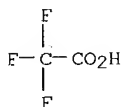
10696753

CRN 437601-51-9
CMF C22 H21 F3 N4 O2

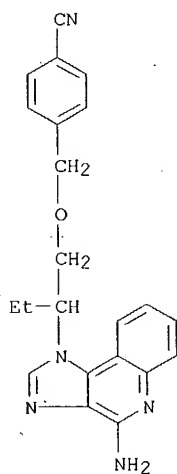


CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 437601-53-1 CAPLUS
CN Benzonitrile, 4-[[2-[[4-amino-1H-imidazo[4,5-c]quinolin-1-yl]butoxy]methyl]-
(9CI) (CA INDEX NAME)

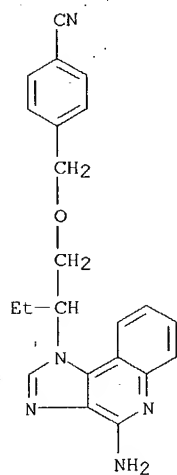


RN 437601-54-2 CAPLUS
CN Benzonitrile, 4-[[2-[[4-amino-1H-imidazo[4,5-c]quinolin-1-yl]butoxy]methyl]-
, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

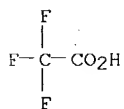
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CRN 437601-53-1
CMF C22 H21 N5 O



CM 2

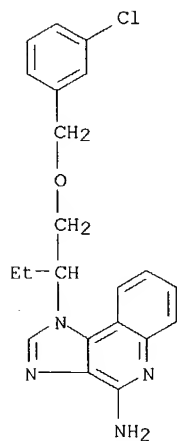
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-55-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[3-chlorophenyl]methoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

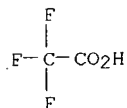
CRN 437601-02-0
CMF C21 H21 Cl N4 O



10696753

CM 2

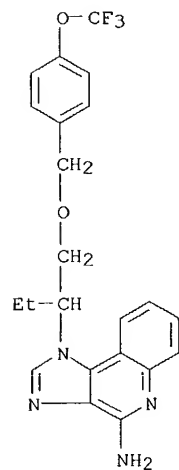
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-57-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[4-(trifluoromethoxy)phenyl]methoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

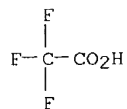
CM 1

CRN 437601-56-4
CMF C22 H21 F3 N4 O2



CM 2

CRN 76-05-1
CMF C2 H F3 O2

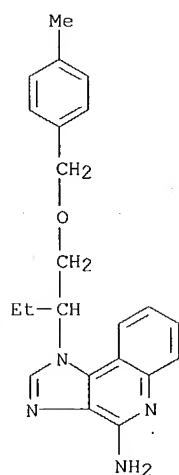


RN 437601-59-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[4-methylphenyl]methoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-58-6
CMF C22 H24 N4 O

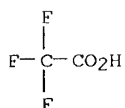
10696753



CM 2

CRN 76-05-1

CMF C2 H F3 O2



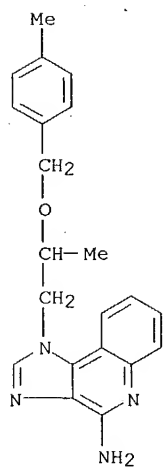
RN 437601-61-1 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(4-methylphenyl)methoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-60-0

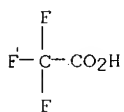
CMF C21 H22 N4 O



CM 2

10696753

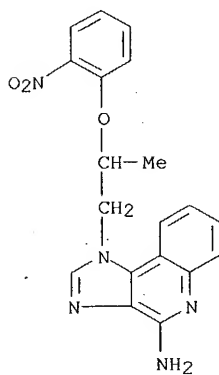
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-63-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(2-nitrophenoxy)propyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

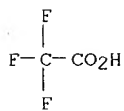
CM 1

CRN 437601-62-2
CMF C19 H17 N5 O3



CM 2

CRN 76-05-1
CMF C2 H F3 O2

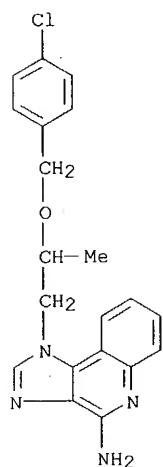


RN 437601-65-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(4-chlorophenyl)methoxy]propyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1.

CRN 437601-64-4
CMF C20 H19 Cl N4 O

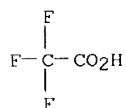
10696753



CM 2

CRN 76-05-1

CMF C2 H F3 O2



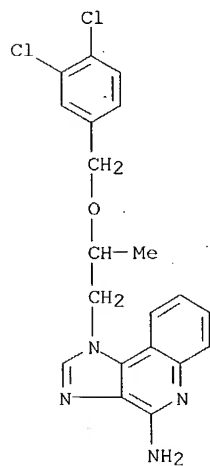
RN 437601-67-7 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(3,4-dichlorophenyl)methoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-66-6

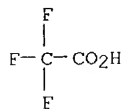
CMF C20 H18 Cl2 N4 O



CM 2

10696753

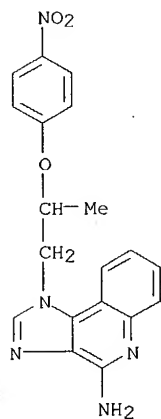
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-69-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(4-nitrophenoxy)propyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

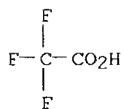
CM 1

CRN 437601-68-8
CMF C19 H17 N5 O3



CM 2

CRN 76-05-1
CMF C2 H F3 O2

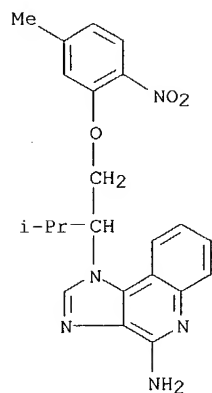


RN 437601-71-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-1-[(5-methyl-2-nitrophenoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

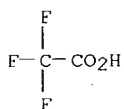
CRN 437601-70-2
CMF C22 H23 N5 O3

10696753



CM 2

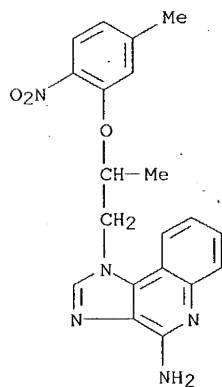
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-73-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(5-methyl-2-nitrophenoxy)propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

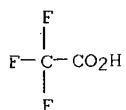
CRN 437601-72-4
CMF C20 H19 N5 O3



CM 2

CRN 76-05-1
CMF C2 H F3 O2

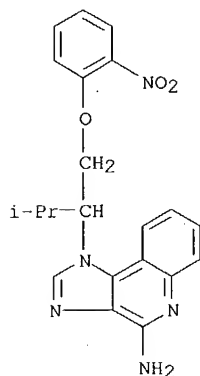
10696753



RN 437601-75-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-1-[(2-nitrophenoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

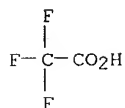
CM 1

CRN 437601-74-6
CMF C21 H21 N5 O3



CM 2

CRN 76-05-1
CMF C2 H F3 O2

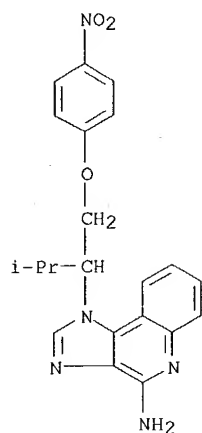


RN 437601-77-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-1-[(4-nitrophenoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

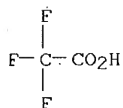
CRN 437601-76-8
CMF C21 H21 N5 O3

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CM 2

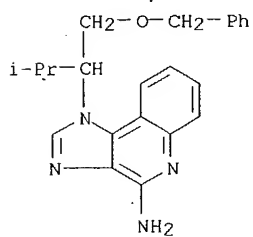
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-79-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-1-
[(phenylmethoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX
NAME)

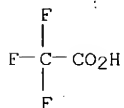
CM 1

CRN 437601-78-0
CMF C22 H24 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

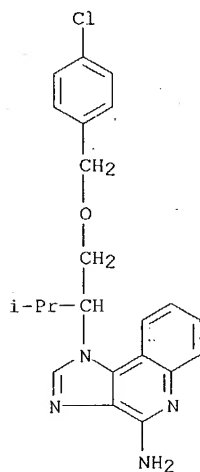


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RN 437601-81-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[4-chlorophenyl)methoxy)methyl]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

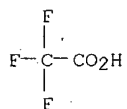
CM 1

CRN 437601-80-4
CMF C22 H23 Cl N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

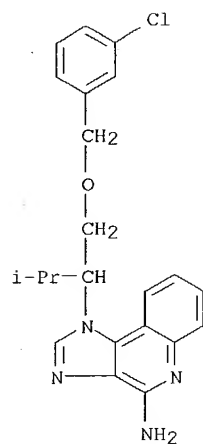


RN 437601-83-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[3-chlorophenyl)methoxy)methyl]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

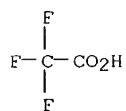
CRN 437601-82-6
CMF C22 H23 Cl N4 O

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CM 2

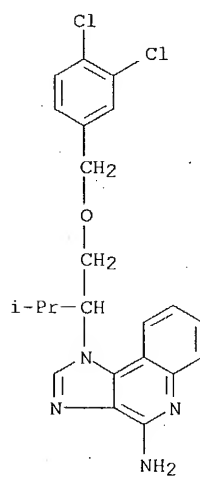
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-85-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[3,4-dichlorophenyl]methoxy]methyl]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-84-8
CMF C22 H22 Cl2 N4 O

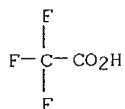


CM 2

CRN 76-05-1

10696753

CMF C2 H F3 O2



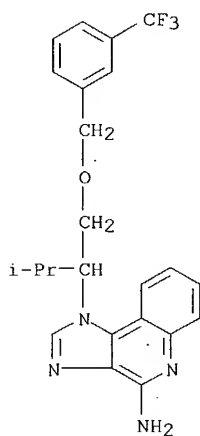
RN 437601-87-1 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-1-[[[3-(trifluoromethyl)phenyl]methoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-86-0

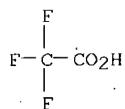
CMF C23 H23 F3 N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437601-89-3 CAPLUS

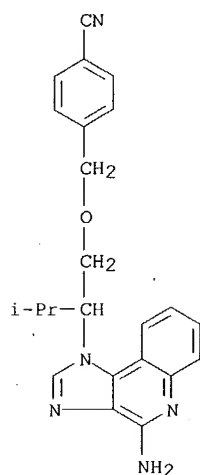
CN Benzonitrile, 4-[[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)-3-methylbutoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-88-2

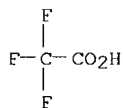
CMF C23 H23 N5 O

10696753



CM 2

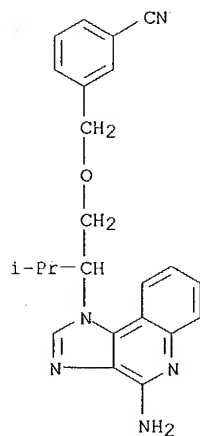
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-91-7 CAPLUS
CN Benzonitrile, 3-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)-3-methylbutoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

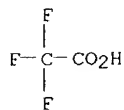
CRN 437601-90-6
CMF C23 H23 N5 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

10696753

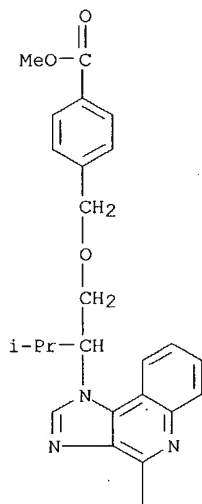


RN 437601-93-9 CAPLUS
CN Benzoic acid, 4-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)-3-methylbutoxy]methyl]-, methyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-92-8
CMF C24 H26 N4 O3

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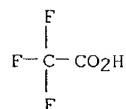


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CM 2

CRN 76-05-1
CMF C2 H F3 O2

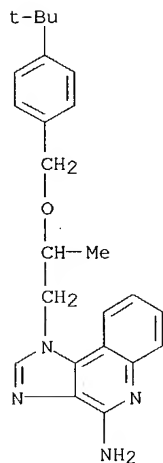


RN 437601-95-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[4-(1,1-dimethylethyl)phenyl]methoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

10696753

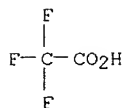
CM 1

CRN 437601-94-0
CMF C24 H28 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

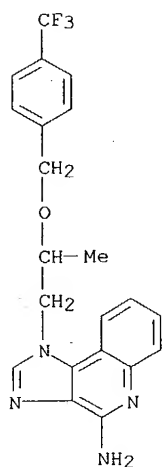


RN 437601-97-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[4-(trifluoromethyl)phenyl]methox
ylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

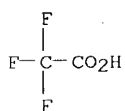
CRN 437601-96-2
CMF C21 H19 F3 N4 O

10696753



CM 2

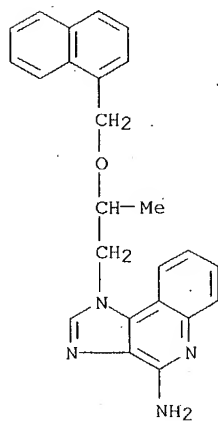
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-99-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(1-naphthalenylmethoxy)propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

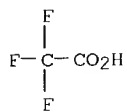
CRN 437601-98-4
CMF C24 H22 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

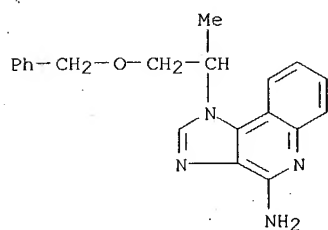
10696753



RN 437602-01-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-methyl-2-(phenylmethoxy)ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

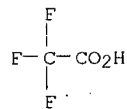
CM 1

CRN 437602-00-1
CMF C20 H20 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2



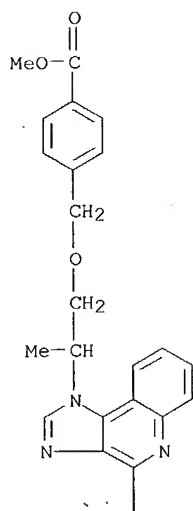
RN 437602-03-4 CAPLUS
CN Benzoic acid, 4-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)propoxy)methyl]-, methyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-02-3
CMF C22 H22 N4 O3

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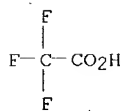


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CM 2

CRN 76-05-1
CMF C2 H F3 O2

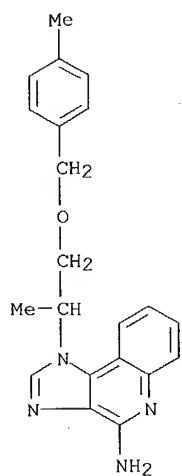


RN 437602-05-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-methyl-2-[(4-methylphenyl)methoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

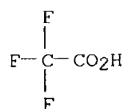
CRN 437602-04-5
CMF C21 H22 N4 O

10696753



CM 2

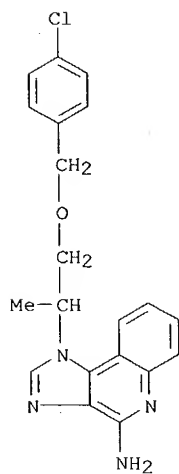
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-07-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(4-chlorophenyl)methoxy]-1-methylethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

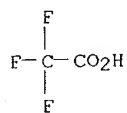
CRN 437602-06-7
CMF C20 H19 Cl N4 O



CM 2

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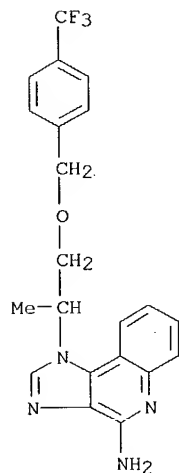
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-09-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-methyl-2-[[4-(trifluoromethyl)phenyl]methoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

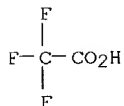
CM 1

CRN 437602-08-9
CMF C21 H19 F3 N4 O



CM 2.

CRN 76-05-1
CMF C2 H F3 O2

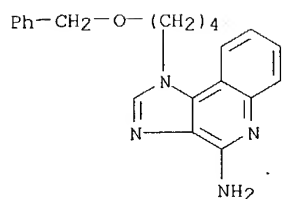


RN 437602-11-4 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(phenylmethoxy)butyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

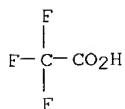
CRN 437602-10-3
CMF C21 H22 N4 O

10696753



CM 2

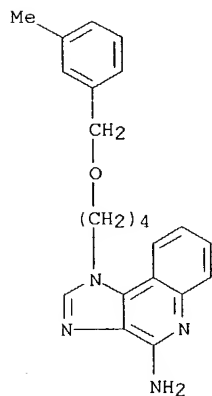
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-13-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-[(3-methylphenyl)methoxy]butyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

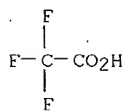
CM 1

CRN 437602-12-5
CMF C22 H24 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

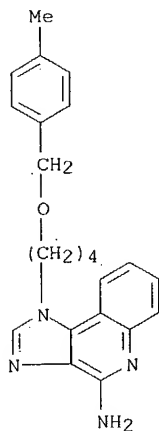


RN 437602-15-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-[(4-methylphenyl)methoxy]butyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

10696753

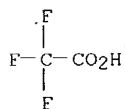
CM 1

CRN 437602-14-7
CMF C22 H24 N4 O



CM 2

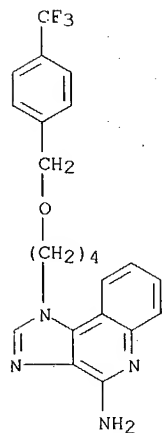
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-17-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-[[4-(trifluoromethyl)phenyl]methoxy]butyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

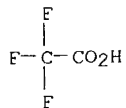
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CM 2

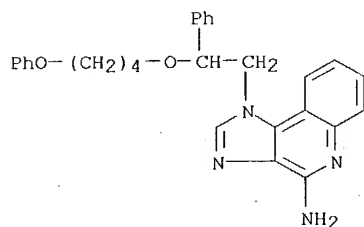
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-19-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(4-phenoxybutoxy)-2-phenylethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

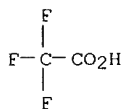
CM 1

CRN 437602-18-1
CMF C28 H28 N4 O2



CM 2

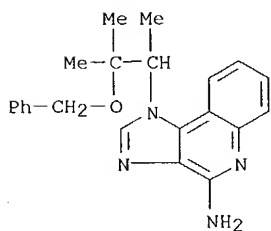
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-21-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1,2-dimethyl-2-(phenylmethoxy)propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

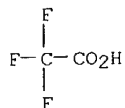
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CM 2

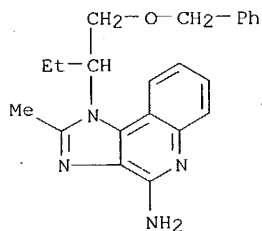
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-23-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[1-
[(phenylmethoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX
NAME)

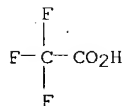
CM 1

CRN 437602-22-7
CMF C22 H24 N4 O



CM 2

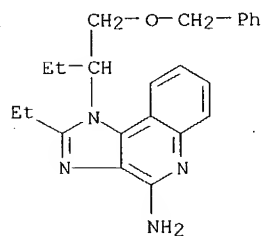
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-25-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[1-
[(phenylmethoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX
NAME)

CM 1

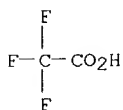
CRN 437602-24-9
CMF C23 H26 N4 O



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CM 2

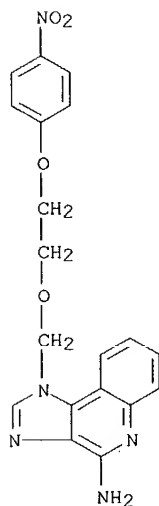
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-27-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[[2-(4-nitrophenoxy)ethoxy]methyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

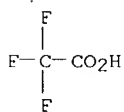
CM 1

CRN 437602-26-1
CMF C19 H17 N5 O4



CM 2

CRN 76-05-1
CMF C2 H F3 O2

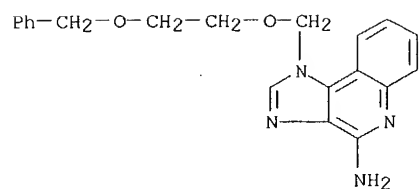


RN 437602-29-4 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[[2-(phenylmethoxy)ethoxy]methyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

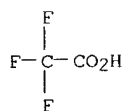
CRN 437602-28-3
CMF C20 H20 N4 O2

10696753



CM 2

CRN 76-05-1
CMF C2 H F3 O2

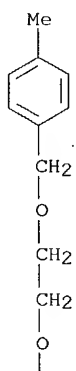


RN 437602-31-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[[2-[(4-methylphenyl)methoxy]ethoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

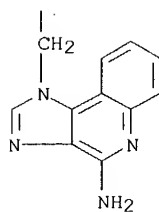
CRN 437602-30-7
CMF C21 H22 N4 O2

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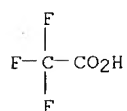
PAGE 2-A



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437602-33-0 CAPLUS

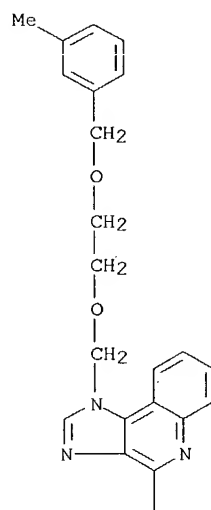
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[[2-[(3-methylphenyl)methoxy]ethoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-32-9

CMF C21 H22 N4 O2

PAGE 1-A



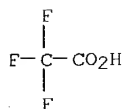
PAGE 2-A



CM 2

10696753

CRN 76-05-1
CMF C2 H F3 O2

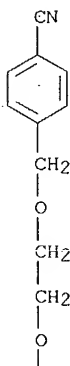


RN 437602-35-2 CAPLUS
CN Benzonitrile, 4-[[2-[(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)methoxy]ethoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

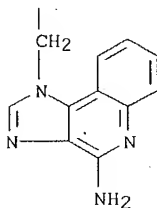
CM 1

CRN 437602-34-1
CMF C21 H19 N5 O2

PAGE 1-A



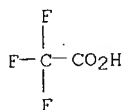
PAGE 2-A



CM 2

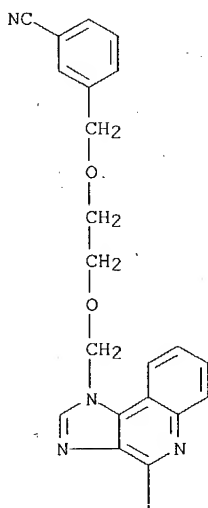
CRN 76-05-1
CMF C2 H F3 O2

10696753



RN 437602-37-4 CAPLUS
CN Benzonitrile, 3-[[2-[(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)methoxy]ethoxy)methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)
CM 1
CRN 437602-36-3
CMF C21 H19 N5 O2

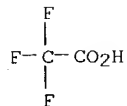
PAGE 1-A



PAGE 2-A



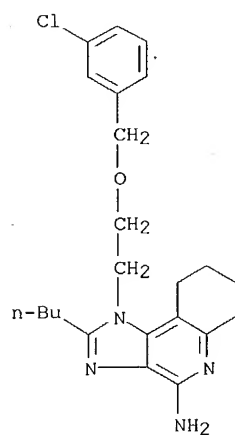
CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-39-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-[(3-chlorophenyl)methoxy]ethyl]-6,7,8,9-tetrahydro-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)
CM 1

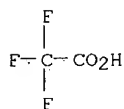
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CRN 437602-38-5
CMF C23 H29 Cl N4 O



CM 2

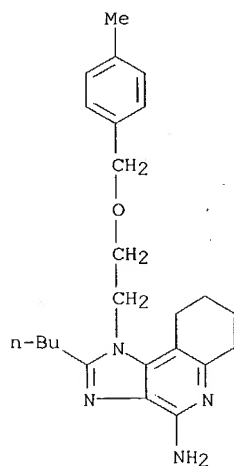
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-41-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-6,7,8,9-tetrahydro-1-[2-[(4-methylphenyl)methoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-40-9
CMF C24 H32 N4 O

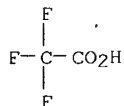


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CM 2

CRN 76-05-1

CMF C2 H F3 O2



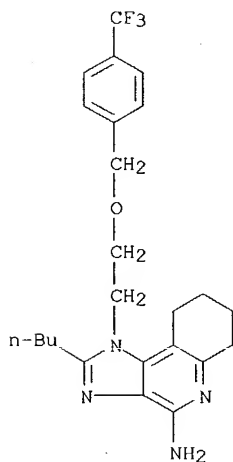
RN 437602-43-2 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-6,7,8,9-tetrahydro-1-[2-[[4-(trifluoromethyl)phenyl]methoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-42-1

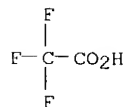
CMF C24 H29 F3 N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437602-45-4 CAPLUS

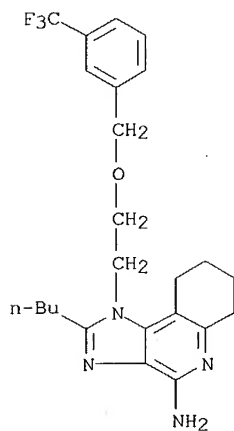
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-6,7,8,9-tetrahydro-1-[2-[[3-(trifluoromethyl)phenyl]methoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-44-3

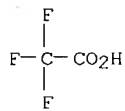
CMF C24 H29 F3 N4 O

10696753



CM 2

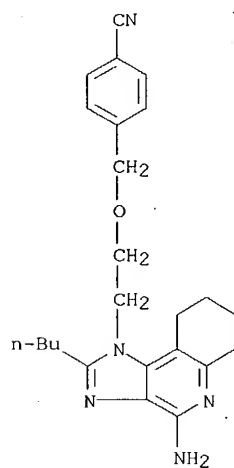
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-47-6 CAPLUS
CN Benzonitrile, 4-[[2-(4-amino-2-butyl-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-46-5
CMF C24 H29 N5 O

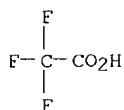


CM 2

CRN 76-05-1

10696753

CMF C2 H F3 O2



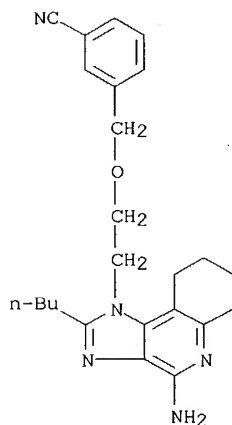
RN 437602-49-8 CAPLUS

CN Benzonitrile, 3-[[2-(4-amino-2-butyl-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy)methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-48-7

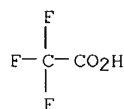
CMF C24 H29 N5 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437602-51-2 CAPLUS

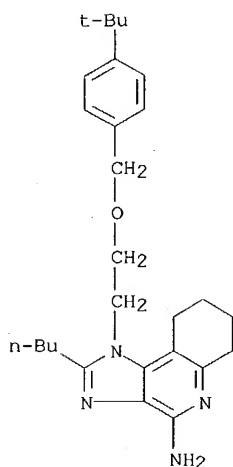
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-[[4-(1,1-dimethylethyl)phenyl]methoxy]ethyl]-6,7,8,9-tetrahydro-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-50-1

CMF C27 H38 N4 O

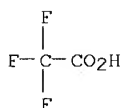
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



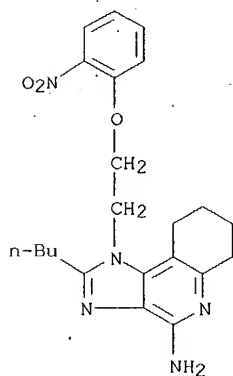
RN 437602-53-4 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-6,7,8,9-tetrahydro-1-[2-(2-nitrophenoxy)ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-52-3

CMF C22 H27 N5 O3

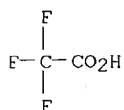


CM 2

CRN 76-05-1

CMF C2 H F3 O2

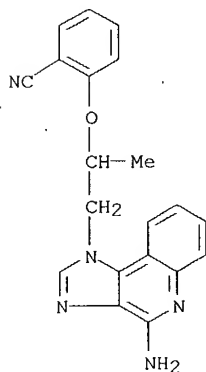
10696753



RN 437602-55-6 CAPLUS
CN Benzonitrile, 2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)-1-methylethoxy]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

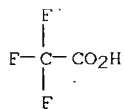
CM 1

CRN 437602-54-5
CMF C20 H17 N5 O



CM 2

CRN 76-05-1
CMF C21 H F3 O2

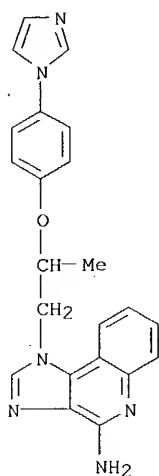


RN 437602-57-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[4-(1H-imidazol-1-yl)phenoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-56-7
CMF C22 H20 N6 O

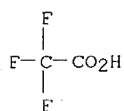
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



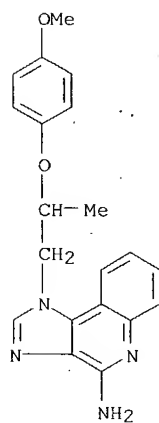
RN 437602-59-0 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(4-methoxyphenoxy)propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-58-9

CMF C20 H20 N4 O2

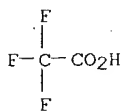


CM 2

CRN 76-05-1

CMF C20 H F3 O2

10696753



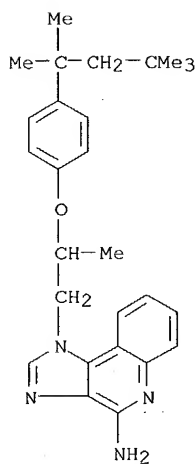
RN 437602-61-4 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-60-3

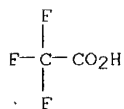
CMF C27 H34 N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437602-63-6 CAPLUS

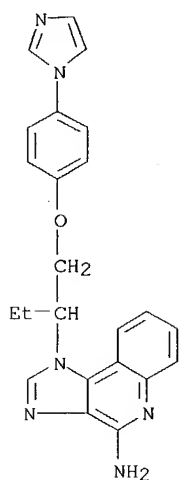
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[4-(1H-imidazol-1-yl)phenoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-62-5

CMF C23 H22 N6 O

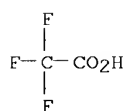
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CM 2

CRN 76-05-1

CME C2 H F3 O2



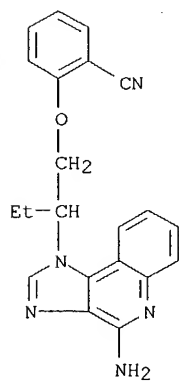
RN 437602-65-8 CAPLUS

CN Benzonitrile, 2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-64-7

CME C21 H19 N5 O

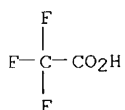


CM 2

CRN 76-05-1

CME C2 H F3 O2

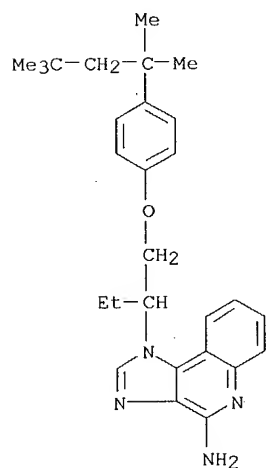
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RN 437602-67-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[4-(1,1,3,3-tetramethylbutyl)phenoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI)
(CA INDEX NAME)

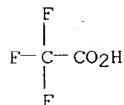
CM 1

CRN 437602-66-9
CMF C28 H36 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

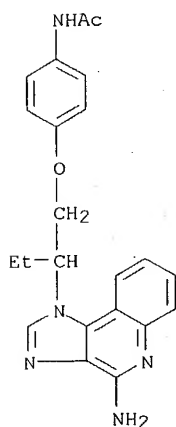


RN 437602-69-2 CAPLUS
CN Acetamide, N-[4-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-68-1
CMF C22 H23 N5 O2

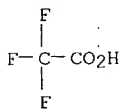
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CM 2

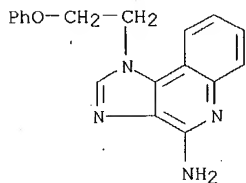
CRN 76-05-1

CMF C2 H F3 O2



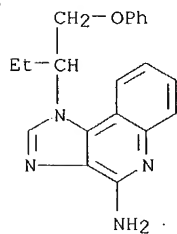
RN 437602-70-5 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-(2-phenoxyethyl)- (9CI) (CA INDEX NAME)



RN 437602-71-6 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-(phenoxyethyl)propyl]- (9CI) (CA INDEX NAME)

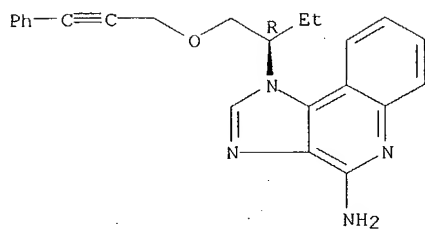


RN 437602-73-8 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[(1R)-1-[(3-phenyl-2-propynyl)oxy]methyl]propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

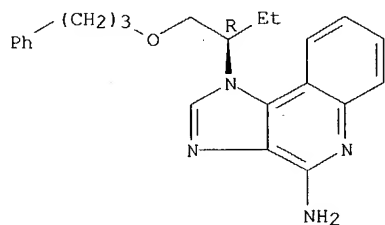
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RN 437602-74-9 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[(1R)-1-[(3-phenylpropoxy)methyl]propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 437602-76-1 CAPLUS

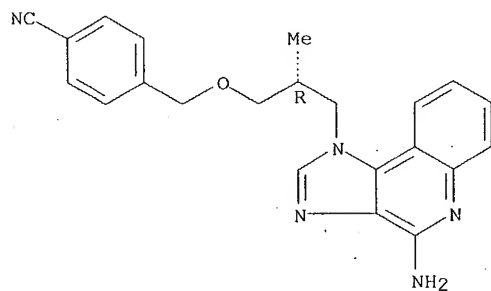
CN Benzonitrile, 4-[[[(2R)-3-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)-2-methylpropoxy)methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-75-0

CMF C22 H21 N5 O

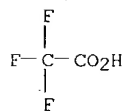
Absolute stereochemistry.



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437602-78-3 CAPLUS

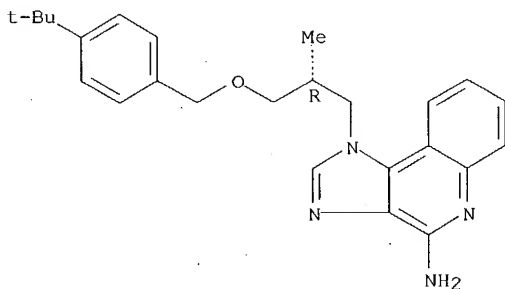
10696753

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[(2R)-3-[[4-(1,1-dimethylethyl)phenoxy]methoxy]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

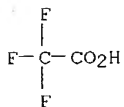
CRN 437602-77-2,
CMF C25 H30 N4 O

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

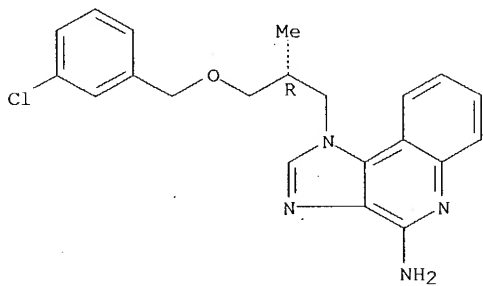


RN 437602-80-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[(2R)-3-[(3-chlorophenyl)methoxy]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-79-4
CMF C21 H21 Cl N4 O

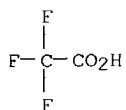
Absolute stereochemistry.



CM 2

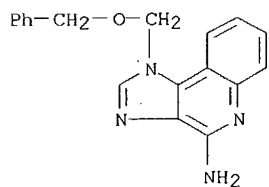
CRN 76-05-1
CMF C2 H F3 O2

10696753



RN 437602-81-8 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[(phenylmethoxy)methyl]- (9CI) (CA INDEX NAME)



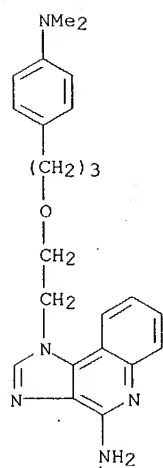
RN 437602-83-0 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[3-[4-(dimethylamino)phenyl]propoxy]ethyl]-, trifluoroacetate (2:3) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-82-9

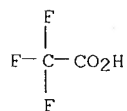
CMF C23 H27 N5 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



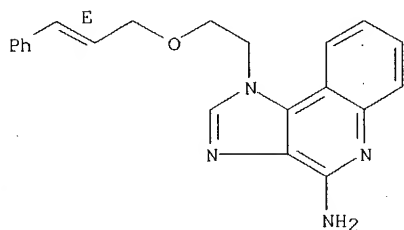
RN 437602-84-1 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[2E)-3-phenyl-2-

10696753

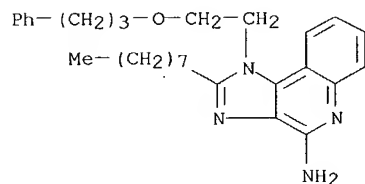
propenyl]oxy]ethyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



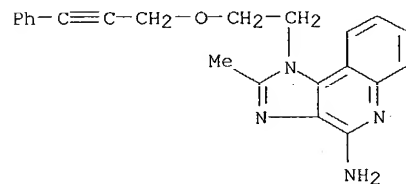
RN 437602-86-3 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-octyl-1-[2-(3-phenylpropoxy)ethyl]- (9CI) (CA INDEX NAME)



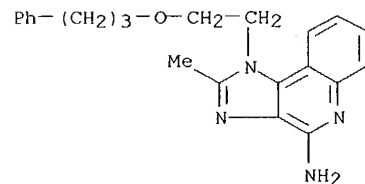
RN 437602-87-4 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[2-[(3-phenyl-2-propynyl)oxy]ethyl]- (9CI) (CA INDEX NAME)



RN 437602-88-5 CAPLUS

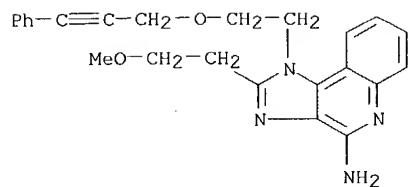
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[2-(3-phenylpropoxy)ethyl]- (9CI) (CA INDEX NAME)



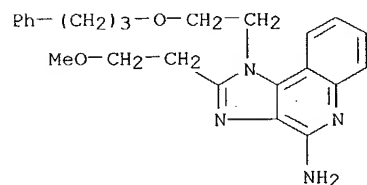
RN 437602-89-6 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(2-methoxyethyl)-1-[2-[(3-phenyl-2-propynyl)oxy]ethyl]- (9CI) (CA INDEX NAME)

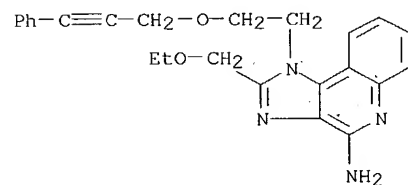
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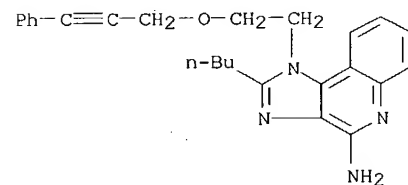
RN 437602-90-9 CAPLUS
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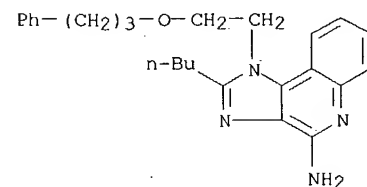
RN 437602-91-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(ethoxymethyl)-1-[2-[(3-phenyl-2-propynyl)oxy]ethyl]- (9CI) (CA INDEX NAME)



RN 437602-92-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-[(3-phenyl-2-propynyl)oxy]ethyl]- (9CI) (CA INDEX NAME)



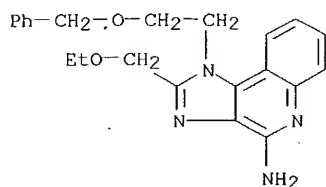
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-(3-phenylpropoxy)ethyl]- (9CI) (CA INDEX NAME)



RN 437602-94-3 CAPLUS

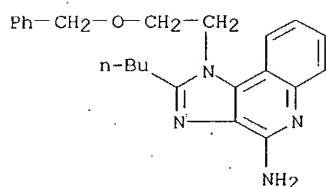
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(ethoxymethyl)-1-[2-(phenylmethoxy)ethyl]- (9CI) (CA INDEX NAME)



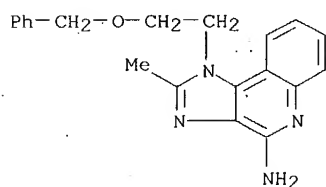
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-(phenylmethoxy)ethyl]- (9CI) (CA INDEX NAME)



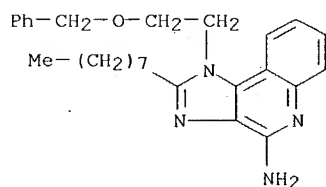
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[2-(phenylmethoxy)ethyl]- (9CI) (CA INDEX NAME)



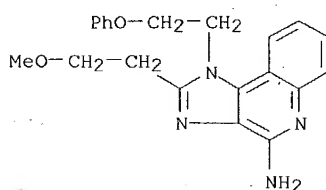
RN 437602-97-6 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-octyl-1-[2-(phenylmethoxy)ethyl]- (9CI) (CA INDEX NAME)



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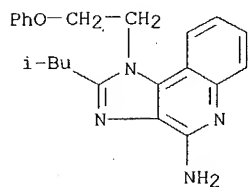
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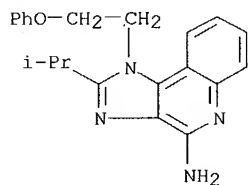
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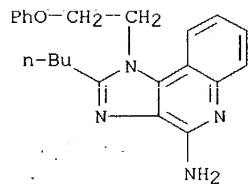
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(1-methylethyl)-1-(2-phenoxyethyl)-
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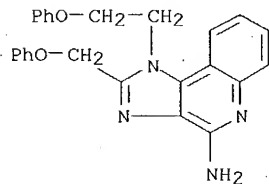
RN 437603-01-5 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-(2-phenoxyethyl)- (9CI) (CA
INDEX NAME)



RN 437603-02-6 CAPLUS

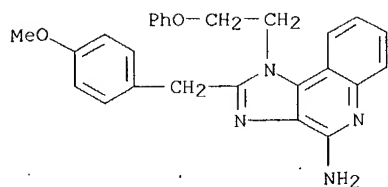
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-(2-phenoxyethyl)-2-(phenoxymethyl)-
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RN 437603-03-7 CAPLUS

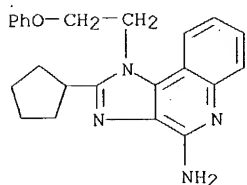
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-[(4-methoxyphenyl)methyl]-1-(2-
phenoxyethyl)- (9CI) (CA INDEX NAME)

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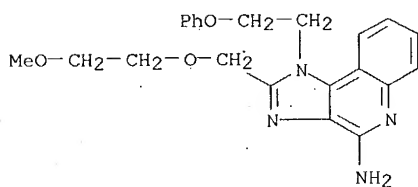
RN 437603-04-8 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-cyclopentyl-1-(2-phenoxyethyl)- (9CI)
(CA INDEX NAME)



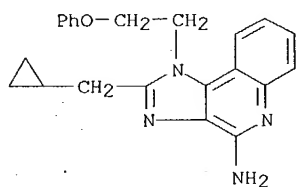
RN 437603-05-9 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-[(2-methoxyethoxy)methyl]-1-(2-phenoxyethyl)- (9CI) (CA INDEX NAME)



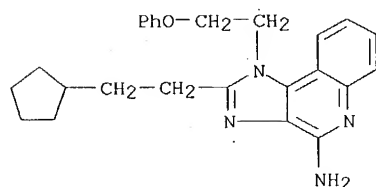
RN 437603-06-0 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(cyclopropylmethyl)-1-(2-phenoxyethyl)- (9CI) (CA INDEX NAME)



RN 437603-07-1 CAPLUS

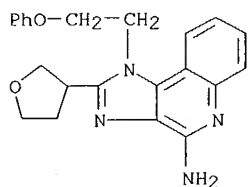
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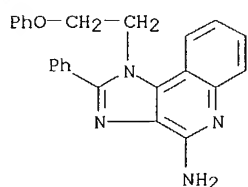
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-(2-phenoxyethyl)-2-(tetrahydro-3-furanyl)- (9CI) (CA INDEX NAME)



RN 437603-09-3 CAPLUS

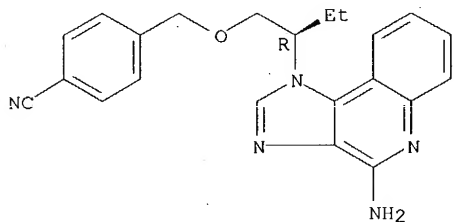
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-(2-phenoxyethyl)-2-phenyl- (9CI) (CA INDEX NAME)



RN 437603-10-6 CAPLUS

CN Benzonitrile, 4-[[[(2R)-2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy)methyl]- (9CI) (CA INDEX NAME)

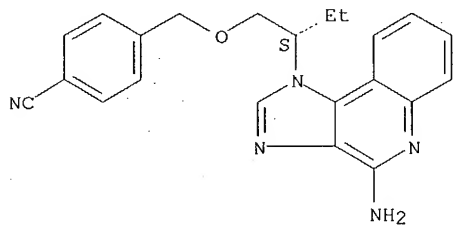
Absolute stereochemistry.



RN 437603-11-7 CAPLUS

CN Benzonitrile, 4-[[[(2S)-2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

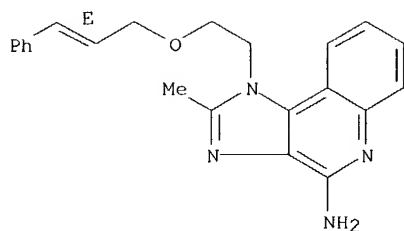


RN 437603-13-9 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[2-[[[(2E)-3-phenyl-2-propenyl]oxy]ethyl]- (9CI) (CA INDEX NAME)

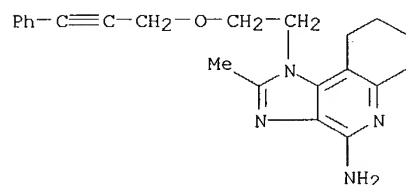
Double bond geometry as shown.

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RN 437603-14-0 CAPLUS

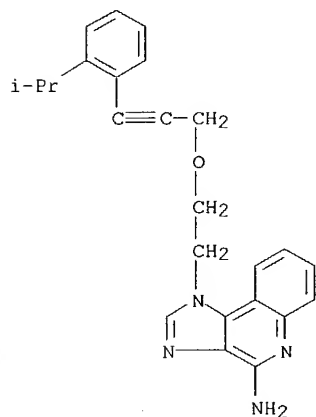
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 6,7,8,9-tetrahydro-2-methyl-1-[(3-phenyl-2-propynyl)oxy]ethyl-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 437603-21-9 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[3-[2-(1-methylethyl)phenyl]-2-propynyl]oxy]ethyl]- (9CI) (CA INDEX NAME)



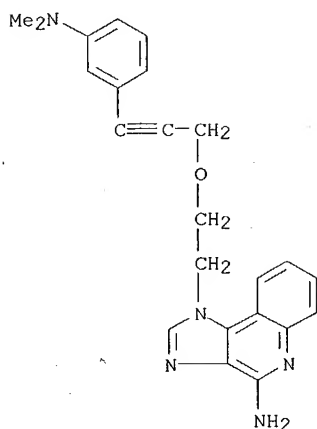
IT 437603-34-4P 437603-36-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of aryl ether substituted imidazoquinolines as immune response modifiers)

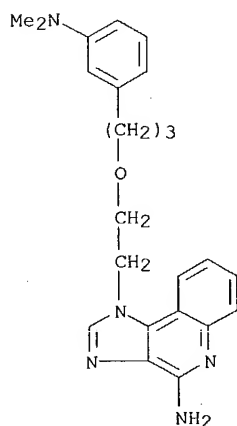
RN 437603-34-4 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[3-[3-(dimethylamino)phenyl]-2-propynyl]oxy]ethyl]- (9CI) (CA INDEX NAME)

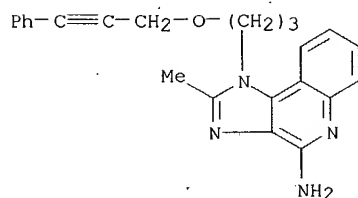
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RN 437603-36-6 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[3-[3-(dimethylamino)phenyl]propoxy]ethyl]- (9CI) (CA INDEX NAME)

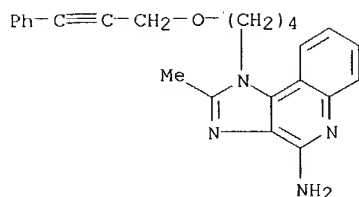


IT 622853-61-6P 622853-63-8P
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of protein kinase modulators)
 RN 622853-61-6 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[3-[(3-phenyl-2-propynyl)oxy]propyl]- (9CI) (CA INDEX NAME)



RN 622853-63-8 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[4-[(3-phenyl-2-propynyl)oxy]butyl]- (9CI) (CA INDEX NAME)

10696753



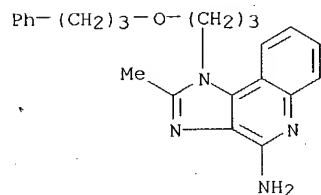
IT 622853-62-7P 622853-64-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of protein kinase modulators)

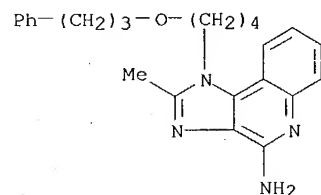
RN 622853-62-7 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[(3-phenylpropoxy)propyl]- (9CI) (CA INDEX NAME)



RN 622853-64-9 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[(4-(3-phenylpropoxy)butyl)- (9CI) (CA INDEX NAME)



L6 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:777397 CAPLUS

DN 139:292250

TI Preparation of amido ether substituted imidazoquinolines as immune response modifiers

IN Crooks, Stephen L.; Griesgraber, George W.; Heppner, Philip D.; Merrill, Bryon A.

PA 3M Innovative Properties Co., USA

SO U.S. Pat. Appl. Publ., 50 pp., Cont.-in-part of U.S. Ser. No. 11,670.

CODEN: USXXCO

DT Patent

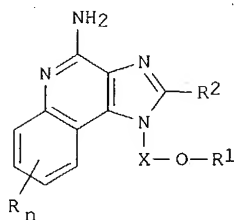
LA English

FAN.CNT 11

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003187016	A1	20031002	US 2002-165449	20020607
	US 6664265	B2	20031216		
	US 2003096835	A1	20030522	US 2001-11670	20011206
	US 6660747	B2	20031209		
	US 2004072858	A1	20040415	US 2003-675833	20030930
	US 2004067975	A1	20040408	US 2003-681711	20031007
PRAI	US 2000-254218P	P	20001208		
	US 2001-11670	A2	20011206		
	US 2001-11921	A1	20011206		

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US 2002-165449 A1 20020607
OS MARPAT 139:292250
GI



AB The title compds. [I; X = (CH₂)₂, CH(Et)CH₂, etc.; R₁ = (CH₂)₄CONMePh, (CH₂)₂NHCO(cyclohexyl), (CH₂)₂NHCO(1-naphthyl), etc.; R₂ = H, alkyl, alkenyl, etc.; R = alkyl, alkoxy, OH, halo, CF₃; n = 0-4] and their pharmaceutically acceptable salts that contain ether and amide functionality at the 1-position, and are useful as immune response modifiers, were prepared. Thus, reacting 2-(1H-imidazo[4,5-c]quinolin-1-yl)ethanol with 5-bromo-N-methyl-N-phenylpentamide followed by treatment of the resulting N-oxide with trichloroacetyl isocyanate in CH₂Cl₂, and then treating the intermediate with NaOMe in MeOH afforded I [X = (CH₂)₂; R₁ = (CH₂)₄CONMePh; R₂ = H; n = 0] which showed interferon α induction in human cells at 3.33 μ M. The compds. I and compns. comprising I can induce the biosynthesis of various cytokines, and are useful in the treatment of a variety of conditions, including viral diseases and neoplastic diseases.

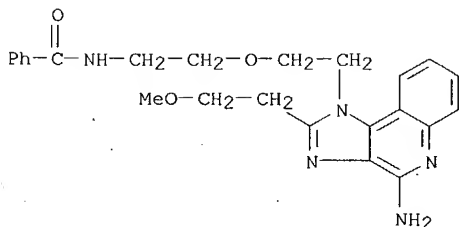
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436856-08-5P 436856-09-6P 436856-10-9P
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608512-36-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amido ether substituted imidazoquinolines as immune response modifiers)

RN 436855-82-2 CAPLUS

CN Benzamide, N-[2-[2-[4-amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]- (9CI) (CA INDEX NAME)

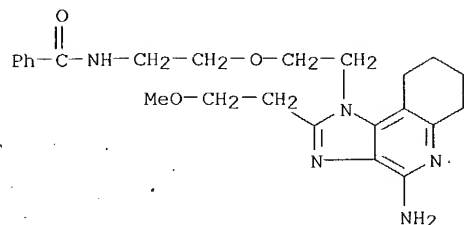


RN 436855-84-4 CAPLUS

CN Benzamide, N-[2-[2-[4-amino-6,7,8,9-tetrahydro-2-(2-methoxyethyl)-1H-

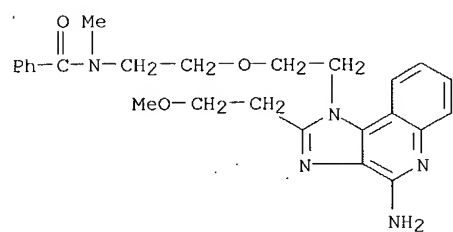
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imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]- (9CI) (CA INDEX NAME)



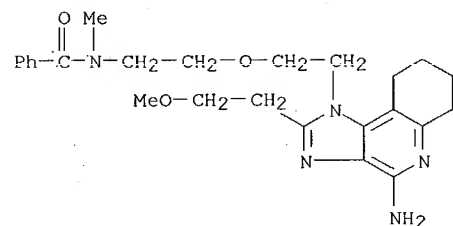
RN 436855-87-7 CAPLUS

CN Benzamide, N-[2-[2-[4-amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]-N-methyl- (9CI) (CA INDEX NAME)



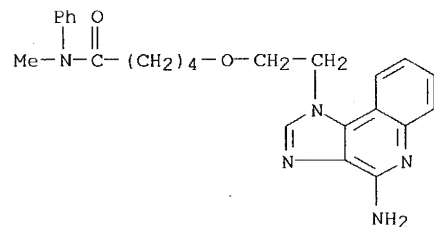
RN 436855-91-3 CAPLUS

CN Benzamide, N-[2-[2-[4-amino-6,7,8,9-tetrahydro-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]-N-methyl- (9CI) (CA INDEX NAME)



RN 436855-95-7 CAPLUS

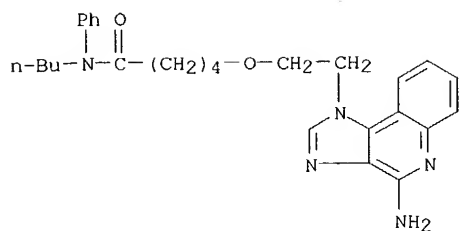
CN Pentanamide, 5-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]-N-methyl-N-phenyl- (9CI) (CA INDEX NAME)



RN 436855-97-9 CAPLUS

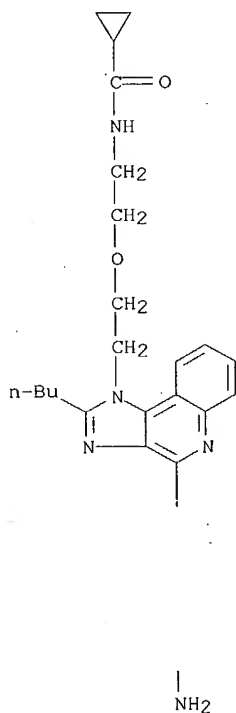
CN Pentanamide, 5-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]-N-butyl-N-phenyl- (9CI) (CA INDEX NAME)

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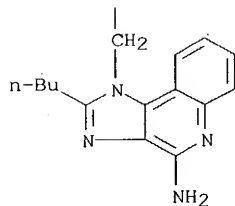
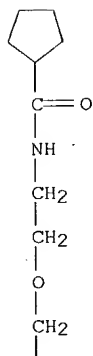
RN 436856-00-7 CAPLUS
CN Cyclopropanecarboxamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

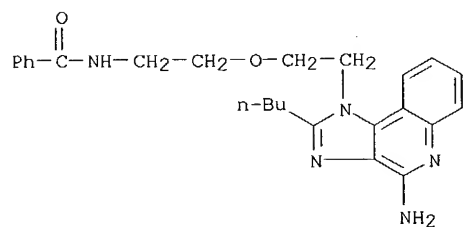


PAGE 2-A

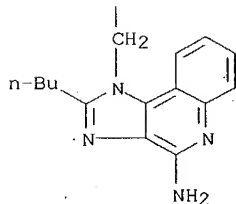
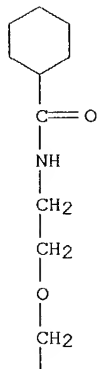
RN 436856-02-9 CAPLUS
CN Cyclopentanecarboxamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)



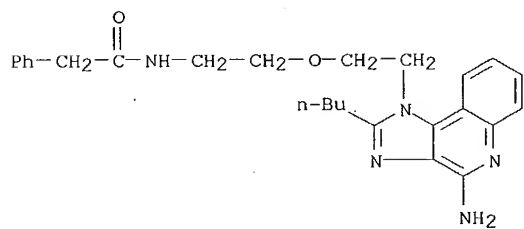
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 CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)



RN 436856-04-1 CAPLUS
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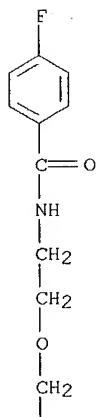
RN 436856-05-2 CAPLUS
 CN Benzeneacetamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)



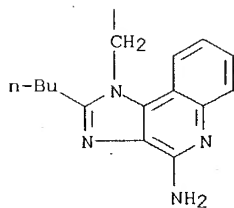
RN 436856-06-3 CAPLUS
 CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

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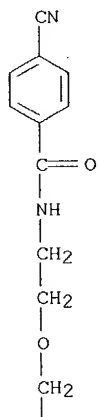


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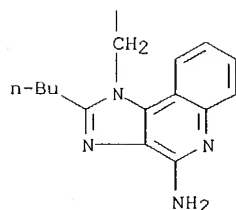
RN 436856-08-5 CAPLUS
CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-cyano- (9CI) (CA INDEX NAME)

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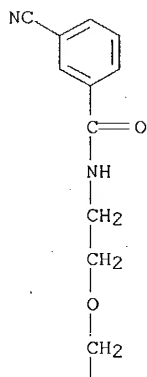
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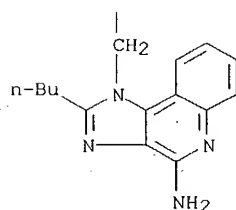


RN 436856-09-6 CAPLUS
CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-3-cyano- (9CI) (CA INDEX NAME)

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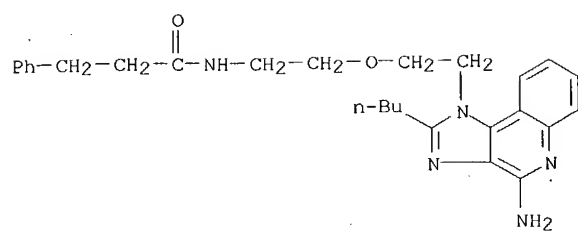


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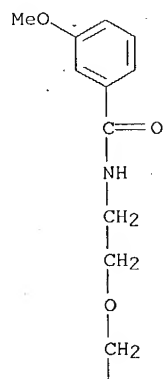
RN 436856-10-9 CAPLUS
CN Benzenepropanamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)

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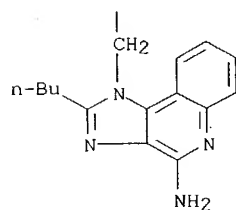


RN 436856-11-0 CAPLUS
 CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-3-methoxy- (9CI) (CA INDEX NAME)

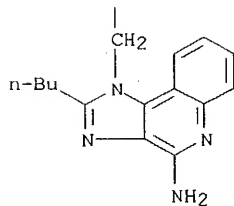
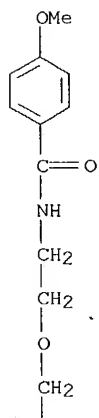
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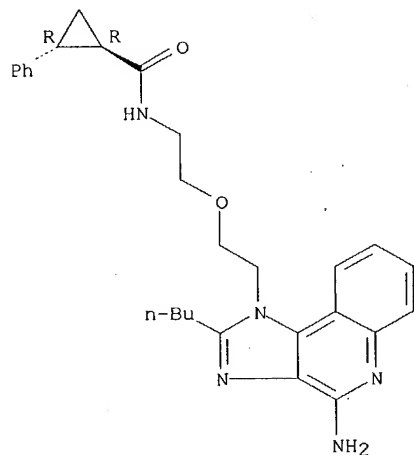


RN 436856-12-1 CAPLUS
 CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-methoxy- (9CI) (CA INDEX NAME)



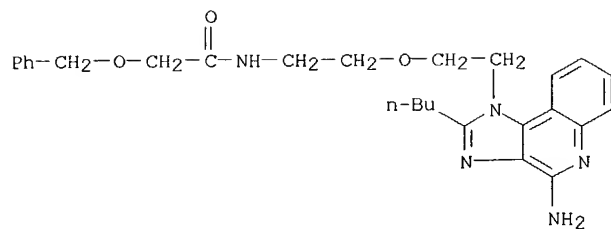
RN 436856-14-3 CAPLUS
 CN Cyclopropanecarboxamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-2-phenyl-, (1R,2R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



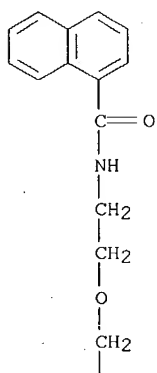
RN 436856-15-4 CAPLUS
 CN Acetamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-2-(phenylmethoxy)- (9CI) (CA INDEX NAME)

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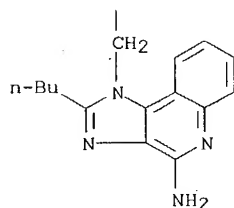


RN 436856-16-5 CAPLUS
CN 1-Naphthalenecarboxamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)

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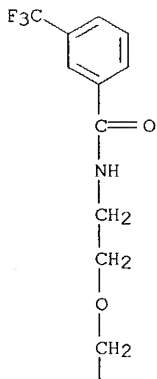
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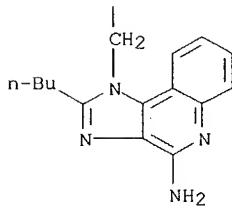
RN 436856-17-6 CAPLUS
CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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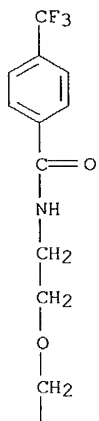


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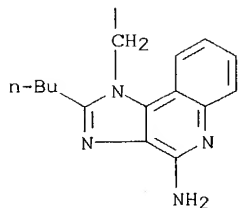
RN 436856-18-7 CAPLUS
CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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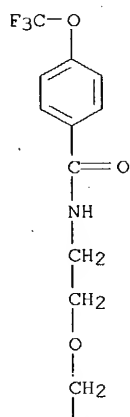
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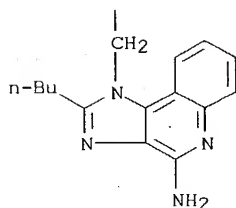


RN 436856-19-8 CAPLUS
CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)

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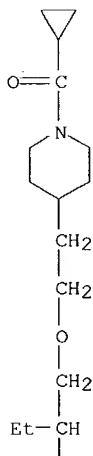
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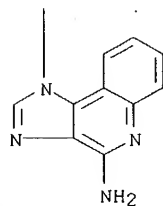
RN 436856-20-1 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-1-(cyclopropylcarbonyl)- (9CI) (CA INDEX NAME)

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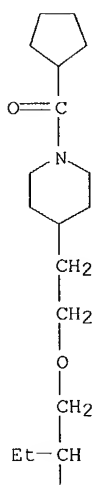


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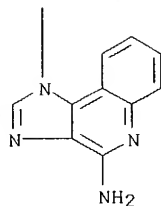
RN 436856-22-3 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
1-(cyclopentylcarbonyl)- (9CI) (CA INDEX NAME)

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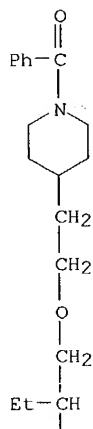
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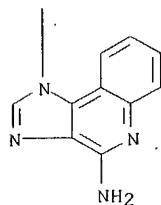


RN 436856-23-4 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
1-benzoyl- (9CI) (CA INDEX NAME)

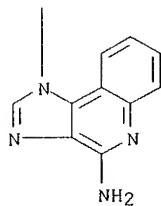
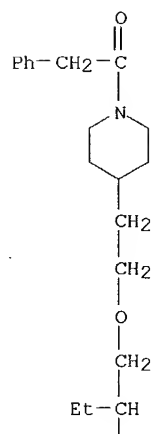
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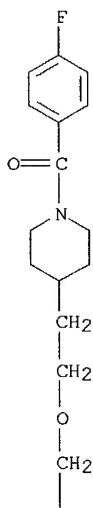
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RN 436856-24-5 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
1-(phenylacetyl)- (9CI) (CA INDEX NAME)

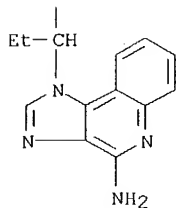


RN 436856-25-6 CAPLUS
 CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
 1-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



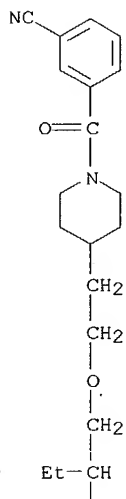
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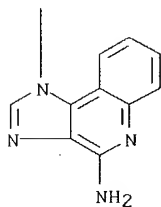


RN 436856-27-8 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
1-(3-cyanobenzoyl)- (9CI) (CA INDEX NAME)

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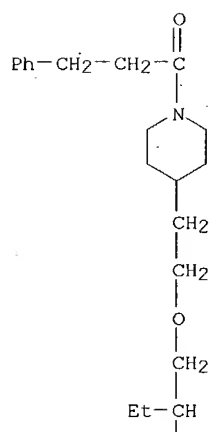
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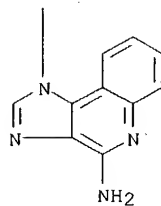
RN 436856-28-9 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
1-(1-oxo-3-phenylpropyl)- (9CI) (CA INDEX NAME)

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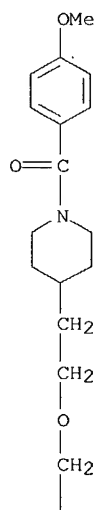


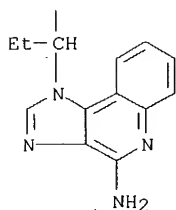
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RN 436856-29-0 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
1-(4-methoxybenzoyl)- (9CI) (CA INDEX NAME)

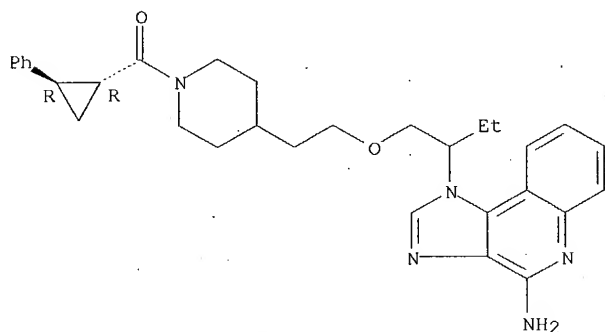
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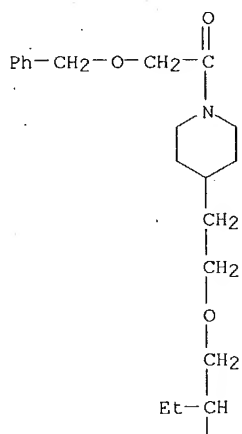


RN 436856-32-5 CAPLUS
 CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
 1-[(1R,2R)-2-phenylcyclopropyl]carbonyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

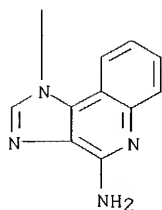


RN 436856-34-7 CAPLUS
 CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
 1-[(phenylmethoxy)acetyl]- (9CI) (CA INDEX NAME)



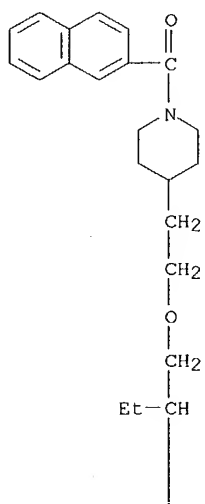
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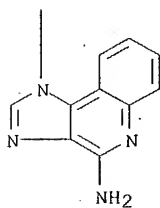


RN 436856-36-9 CAPLUS
CN Piperidine, 4-{2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl}-
1-(2-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)

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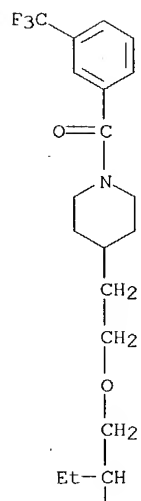
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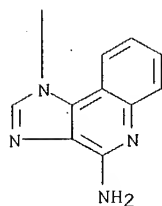
RN 436856-38-1 CAPLUS
CN Piperidine, 4-{2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl}-
1-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

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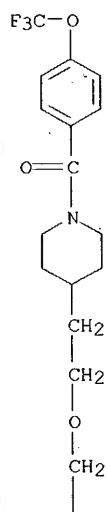


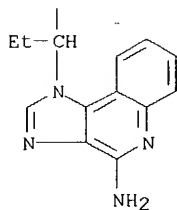
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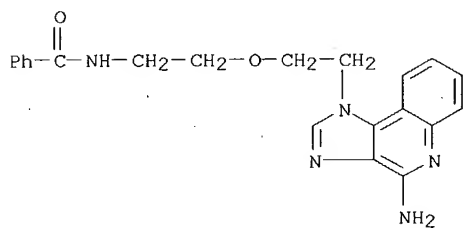
RN 436856-40-5 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
1-[4-(trifluoromethoxy)benzoyl]- (9CI) (CA INDEX NAME)

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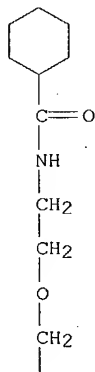


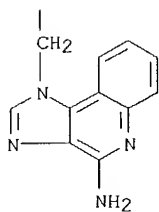
RN 436856-44-9 CAPLUS

CN Benzamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-
(9CI) (CA INDEX NAME)

RN 436856-46-1 CAPLUS

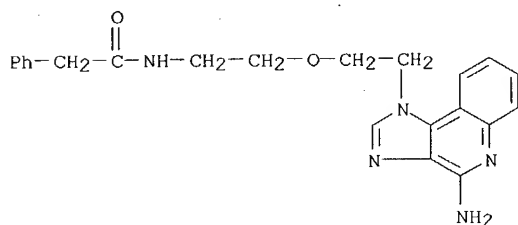
CN Cyclohexanecarboxamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)





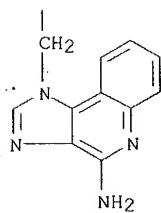
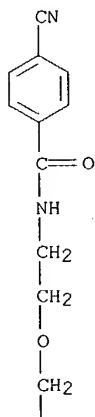
RN 436856-48-3 CAPLUS

CN Benzeneacetamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)



RN 436856-52-9 CAPLUS

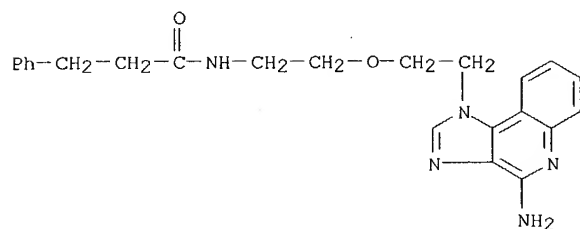
CN Benzamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-cyano- (9CI) (CA INDEX NAME)



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RN 436856-54-1 CAPLUS

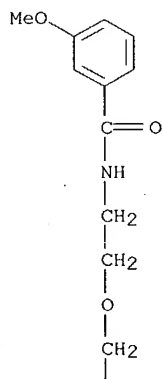
CN Benzenepropanamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)



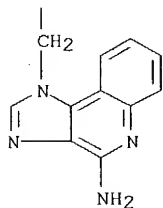
RN 436856-56-3 CAPLUS

CN Benzamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-3-methoxy- (9CI) (CA INDEX NAME)

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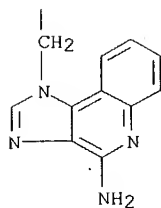
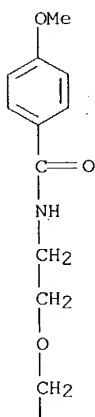


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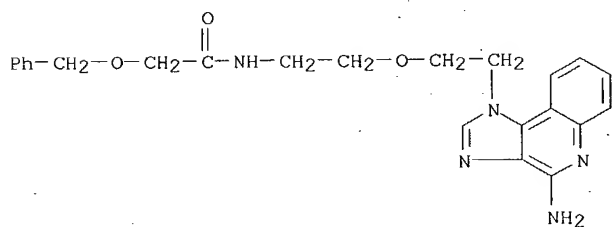


RN 436856-58-5 CAPLUS

CN Benzamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-methoxy- (9CI) (CA INDEX NAME)

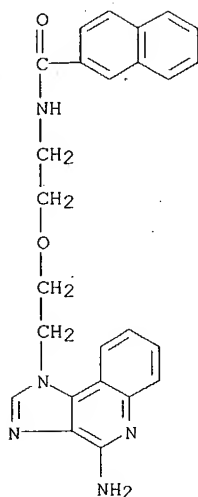


RN 436856-62-1 CAPLUS
 CN Acetamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-2-(phenylmethoxy)- (9CI) (CA INDEX NAME)



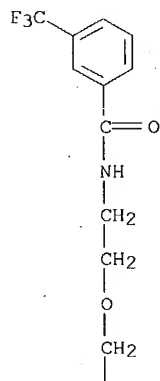
RN 436856-64-3 CAPLUS
 CN 2-Naphthalenecarboxamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)

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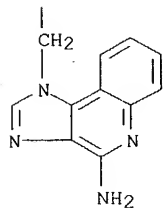


RN 436856-66-5 CAPLUS
CN Benzamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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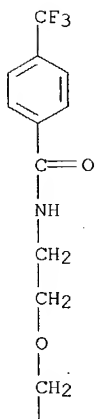
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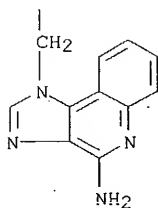
RN 436856-68-7 CAPLUS
CN Benzamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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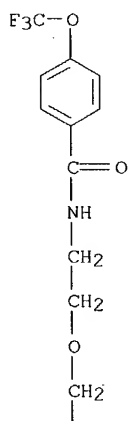


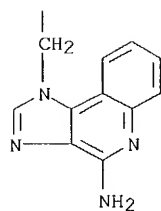
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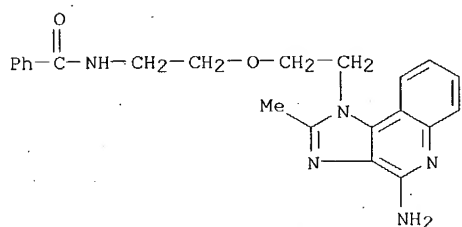
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CN Benzamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)

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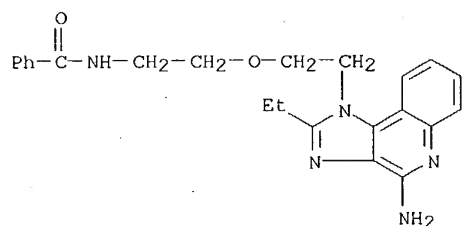




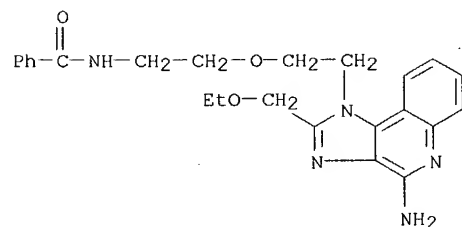
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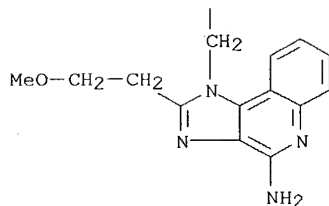
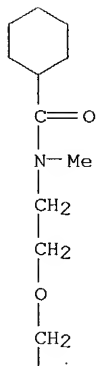
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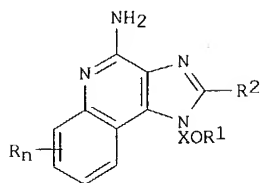


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L6 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2003:570648 CAPLUS
 DN 139:133563
 TI Preparation of sulfonamidoalkoxyalkylimidazoquinolines as immune response modulators.
 IN Crooks, Stephen L.; Griesgraber, George W.; Heppner, Philip D.; Merrill, Bryon A.; Roberts, Ralph R.; Wei, Ai-Ping
 PA 3M Innovative Properties Co., USA
 SO U.S. Pat. Appl. Publ., 46 pp., Cont.-in-part of U.S. Ser. No. 12,599.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 11

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003139441	A1	20030724	US 2002-165443	20020607
	US 6677347	B2	20040113		
	US 2002193396	A1	20021219	US 2001-12599	20011201
	US 6683088	B2	20040127		
	US 2004072858	A1	20040415	US 2003-675833	20030930
PRAI	US 2000-254218P	P	20001208		
	US 2001-12599	A2	20011201		
	US 2001-11921	A1	20011206		
OS	MARPAT 139:133563				
GI					



I

AB Title compds. [I; X = CHR5, CHR5, CHR5, R1 = R4NR3SO2R6A, R4NR3SOR7, R4NR3SO2NR5R6A, R4NR3SO2NH2; A = alkyl, alkenyl, aryl, heteroaryl, heterocyclyl; R2 = H, (substituted) alkyl, alkenyl, aryl, heteroaryl, heterocyclyl, alkyl-Y-alkyl, alkyl-Y-alkenyl, alkyl-Y-aryl; Y = O, S(O)O-2; R3 = H, alkyl, arylalkyl; R4 = alkyl, alkenyl, which may be interrupted by ≥ 1 O; R3R4 form a ring; R5 = H, alkyl, alkenyl; R6 = bond, alkyl, alkenyl, which may be interrupted by ≥ 1 O; R7 = alkyl; R3R7 form a ring; n = 0-4; R = alkyl, alkoxy, OH, halo, CF3], were prepared. Thus, tert-Bu 2-[2-[(3-aminoquinolin-4-yl)amino]ethoxy]ethylcarbamate (preparation given) in CH2Cl2 was cooled to 0° and treated with Et3N and methoxypropionyl chloride; The reaction was then warmed to room temperature and stirring was continued for 1 h to give tert-Bu 2-[2-[2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethylcarbamate. This was converted to N-[2-[2-[4-amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]methanesulfonamide in several steps. I showed interferon induction in human cells with lowest effective concns. of 0.0001-1 μ M.

IT 437382-59-7P 437382-61-1P 437382-62-2P

437382-63-3P 437382-64-4P 437382-65-5P

437382-66-6P 437382-67-7P 437382-68-8P

437382-70-2P 437382-71-3P 437382-72-4P

437382-73-5P 437382-74-6P 437382-75-7P

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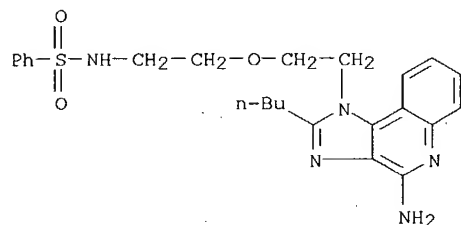
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of sulfonamidoalkoxyalkylimidazoquinolines as immune response modulators)

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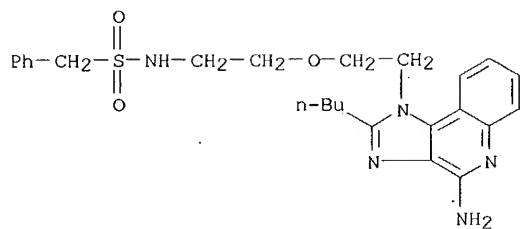
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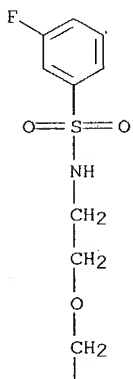
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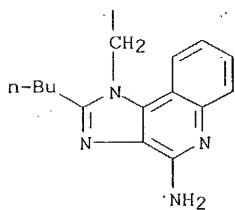


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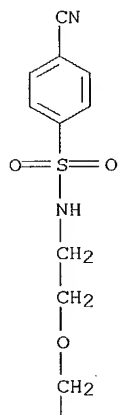
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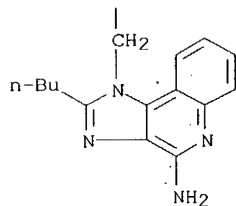
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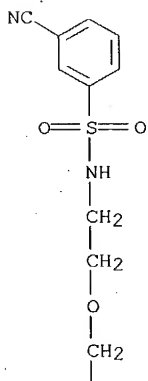


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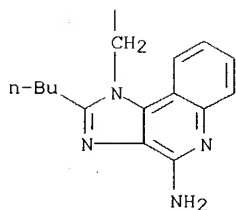
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CN Benzenesulfonamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-3-cyano- (9CI) (CA INDEX NAME)

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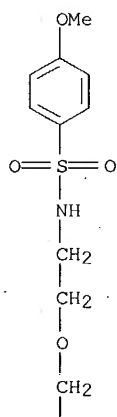
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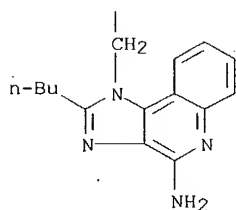


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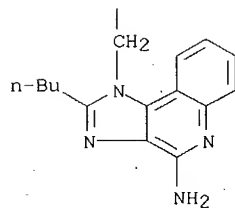
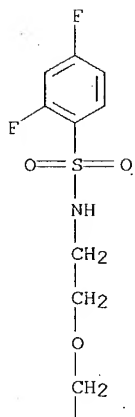
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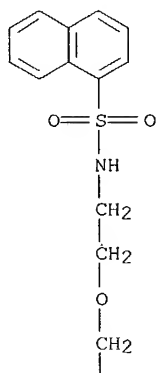
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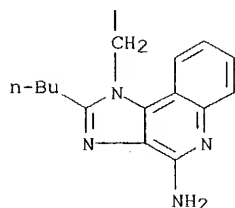


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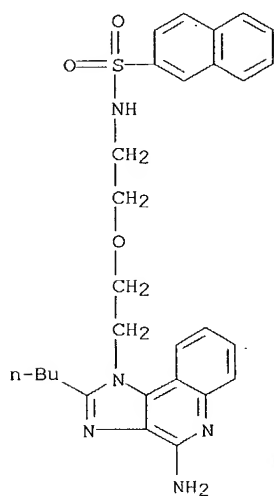


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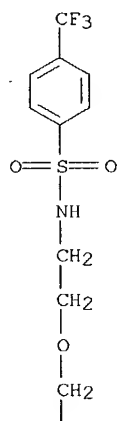




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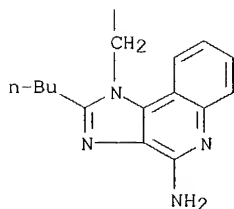


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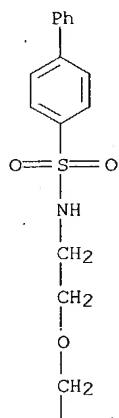
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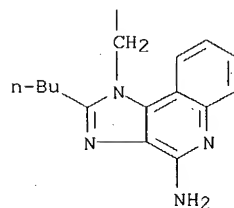


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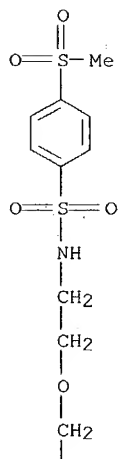
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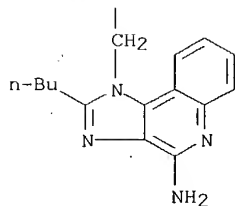
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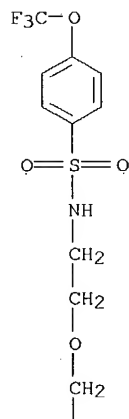


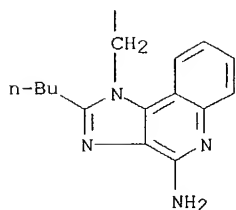
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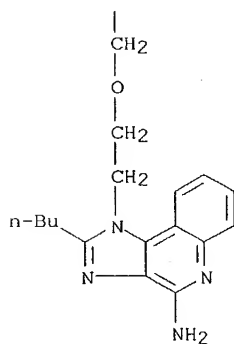
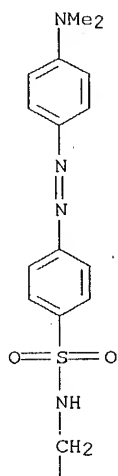
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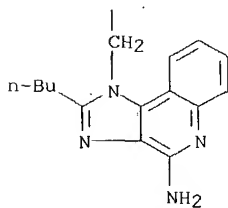
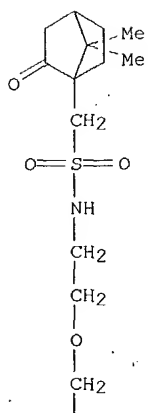




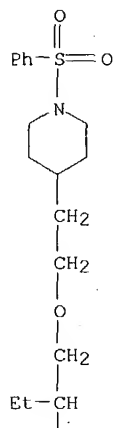
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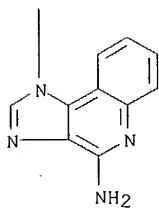


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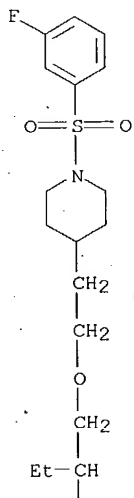
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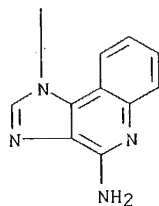


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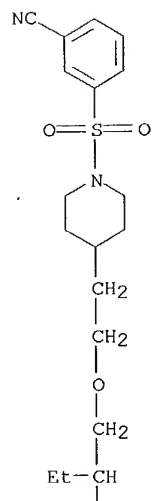
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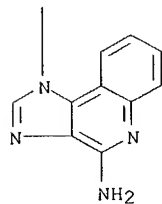
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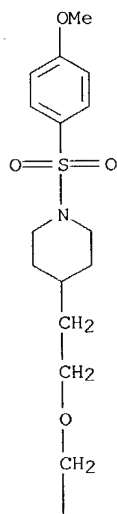


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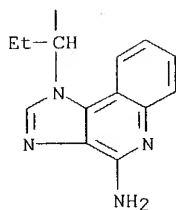
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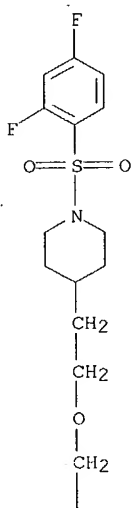
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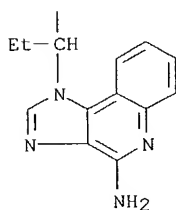


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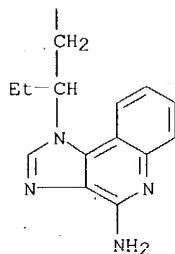
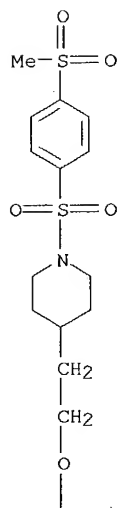
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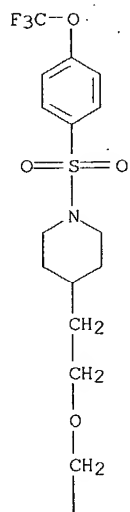
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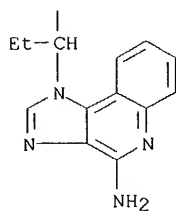


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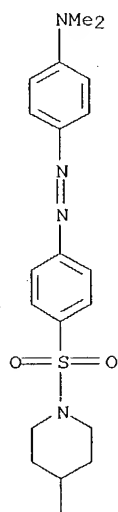
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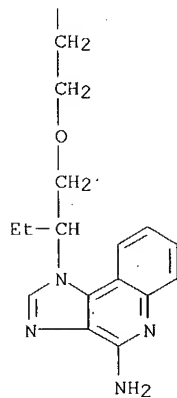


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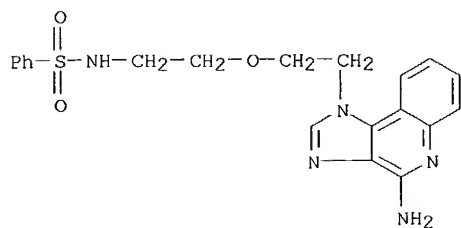
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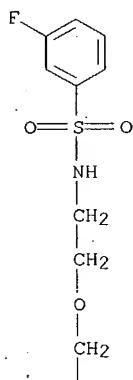
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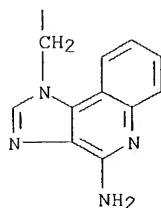
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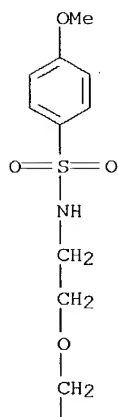


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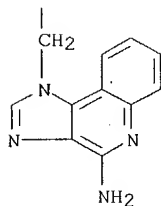
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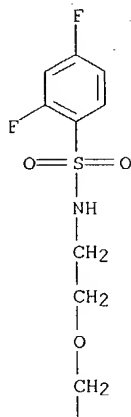


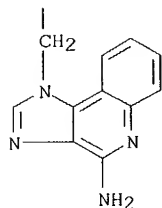
PAGE 2-A



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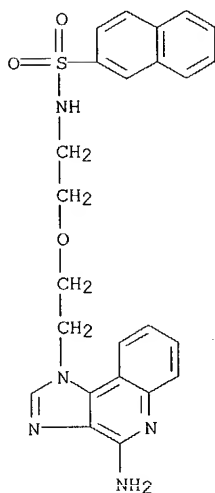
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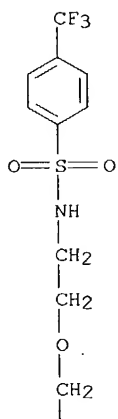
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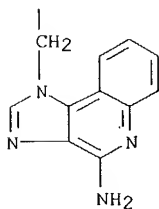
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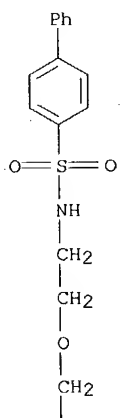
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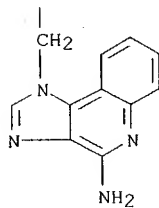


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PAGE 1-A



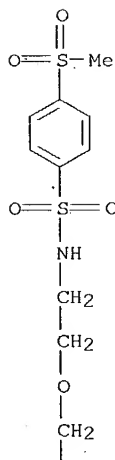
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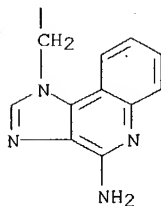
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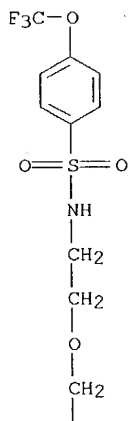


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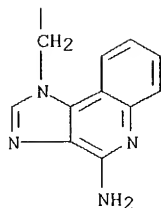


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PAGE 1-A

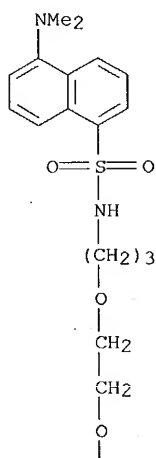


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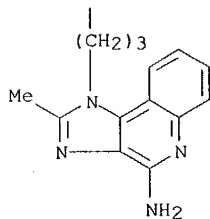


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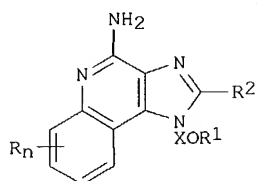


L6 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2003:532388 CAPLUS
 DN 139:101126
 TI Preparation of 4-amino-1-(ureidoethoxyethyl)imidazoquinolines as inducers of cytokine biosynthesis for treatment of viral and neoplastic disease.
 IN Crooks, Stephen L.; Griesgraber, George W.; Heppner, Philip D.; Merrill, Bryon A.
 PA 3M Innovative Properties Co., USA
 SO U.S. Pat. Appl. Publ., 43 pp., Cont.-in-part of U.S. Ser. No. 13,060.
 CODEN: USXXCO

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DT Patent
LA English
FAN.CNT 11

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	US 2003158192	A1	20030821	US 2001-13060	20011206
	US 6656938	B2	20031202		
	US 2004072858	A1	20040415	US 2003-675833	20030930
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	US 2001-11921	A1	20011206		
	US 2002-164816	A1	20020607		
OS	MARPAT 139:101126				
GI					



I

AB Title compds. [I; X = CHR5, CHR5A; A = alkylene, alkenylene; R1 = R4NR8CR3NR5ZR6A1, R4NR8CR3NR5R7, R4NR8CR3NR9ZR6A1; A1 = alkyl, alkenyl, aryl, heteroaryl, heterocyclyl; R2 = H, alkyl, alkenyl, aryl, heteroaryl, heterocyclyl, alkyl-Y-alkyl, alkyl-Y-alkenyl, alkyl-Y-aryl, alkyl, alkenyl substituted by ≥ 1 of: OH, halo, N(R5)2, CON(R5)2, CO-C1-10 alkyl, CO2-C1-10 alkyl, N3, aryl, heteroaryl, heterocyclyl, CO-aryl, CO-heteroaryl; R3 = O, S; R4 = alkyl, alkenyl, which may be interrupted by ≥ 1 O; R5 = H, C1-10 alkyl; R6 = bond, alkyl, alkenyl, which may be interrupted by ≥ 1 O; R7 = H, C1-10 alkyl which may be interrupted by a heteroatom; R7R5 = atoms to form a ring; R8 = H, C1-10 alkyl, arylalkyl; R4R8 = atoms to form a ring; R9 = C1-10 alkyl which can join together with R8 to form a ring; Y = O, S, SO, SO2; Z = bond, CO, SO2; n = 0-4; R = C1-10 alkyl, C1-10 alkoxy, OH, halo, CF3], were prepared. Thus, title compound I (R1 = morpholinocarbonylaminoethyl; X = CH2CH2; R2 = Bu; R = null) (general preparation given) induced interferon and tumor necrosis factor in human cells at lowest effective concns. of 0.0001 μ M and 0.1 μ M, resp.

IT **437383-04-5P**, N-[2-[2-[4-Amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]-N'-phenylurea **437383-05-6P**, N-[2-[2-[4-Amino-2-(2-methoxyethyl)-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]-N'-phenylurea **437383-06-7P**, N-[2-[2-[4-Amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]-N-methyl-N'-phenylurea **437383-07-8P**, N-[2-[2-[4-Amino-2-(2-methoxyethyl)-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]-N-methyl-N'-phenylurea **437383-13-6P**
437383-15-8P **437383-16-9P** **437383-17-0P**
437383-18-1P **437383-19-2P** **437383-20-5P**
437383-21-6P **437383-22-7P** **437383-23-8P**
437383-24-9P **437383-27-2P** **437383-29-4P**
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437383-36-3P **437383-37-4P** **437383-39-6P**
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437383-44-3P **437383-45-4P** **437383-46-5P**
437383-47-6P **557787-30-1P** **557787-31-2P**
557787-32-3P **557787-33-4P** **557787-35-6P**
557787-36-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

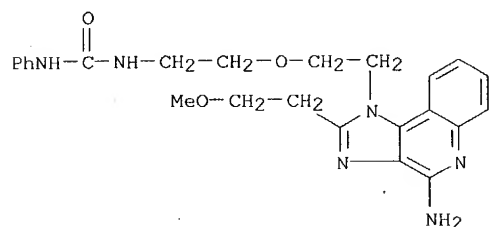
(preparation of aminoureidoethoxyethylimidazoquinolines as inducers of cytokine biosynthesis for treatment of viral and neoplastic disease)

RN **437383-04-5** CAPLUS

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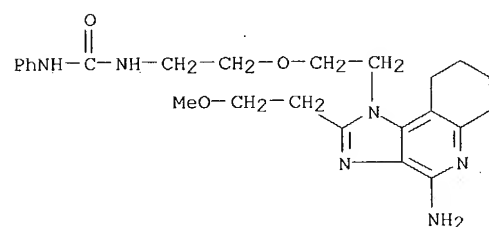
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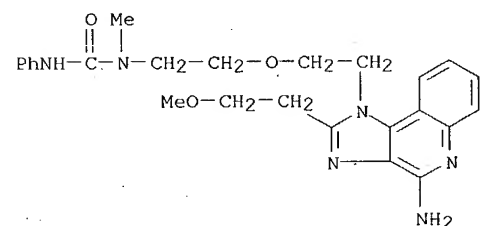
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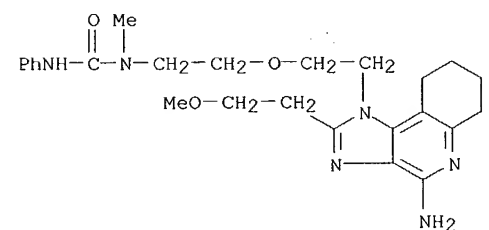
RN 437383-06-7 CAPLUS

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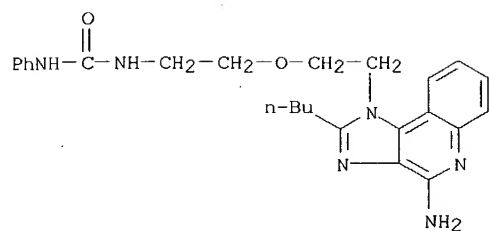
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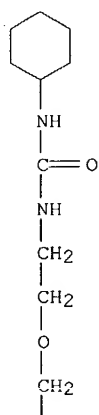
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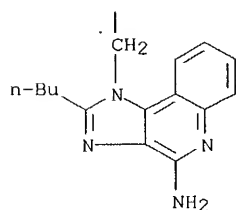


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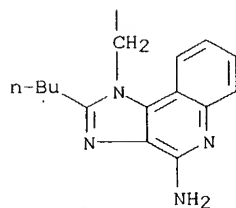
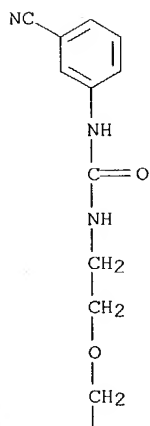
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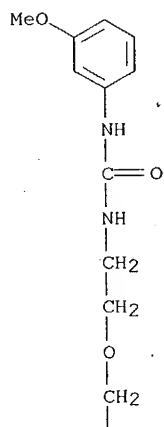
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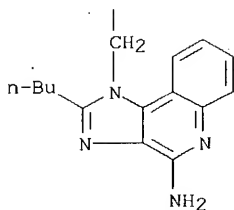


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RN 437383-17-0 CAPLUS
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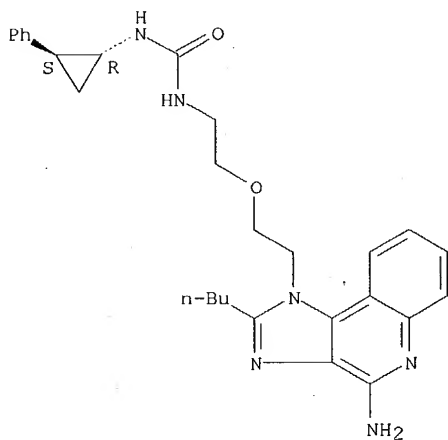




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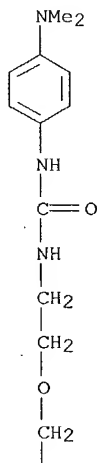
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Relative stereochemistry.



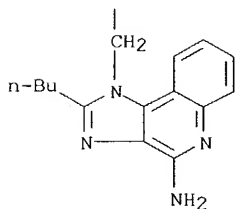
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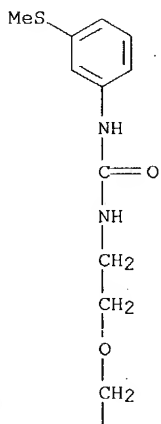
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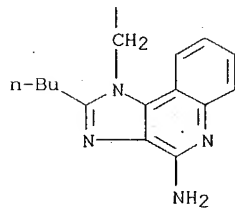


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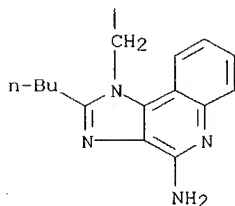
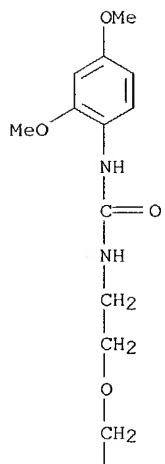
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PAGE 2-A

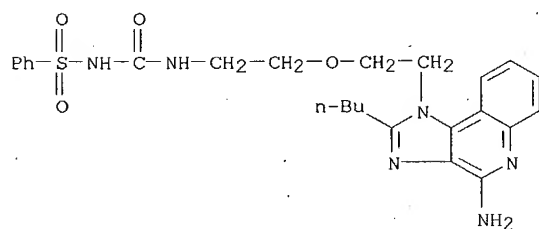


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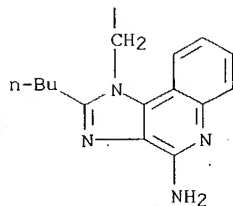
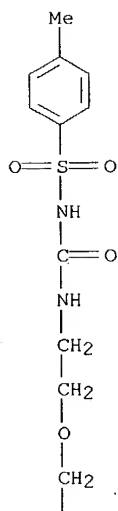
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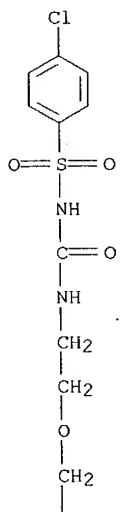
RN 437383-23-8 CAPLUS

CN Benzenesulfonamide, N-[[[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]amino]carbonyl]-4-methyl- (9CI) (CA INDEX NAME)



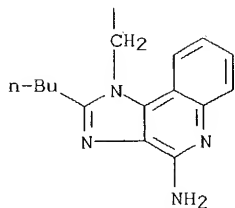
RN 437383-24-9 CAPLUS

CN Benzenesulfonamide, N-[[[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]amino]carbonyl]-4-chloro- (9CI) (CA INDEX NAME)



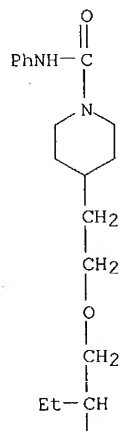
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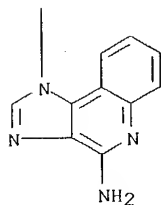


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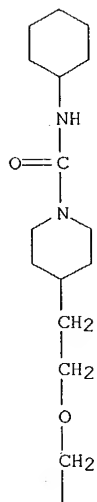
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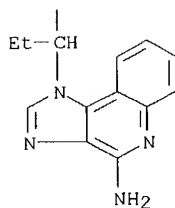
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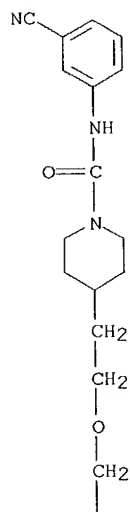


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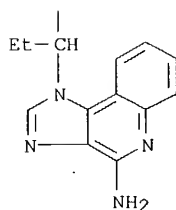
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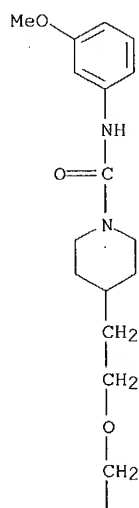
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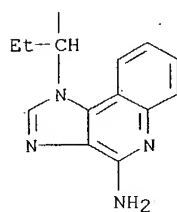


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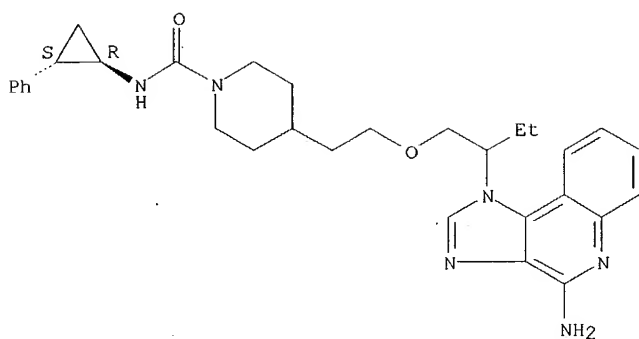
PAGE 2-A



RN 437383-32-9 CAPLUS
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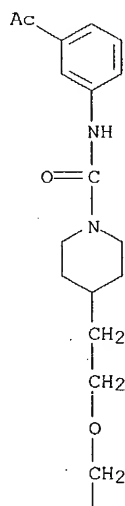
Relative stereochemistry.

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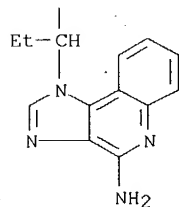


RN 437383-33-0 CAPLUS
CN 1-Piperidinecarboxamide, N-(3-acetylphenyl)-4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)

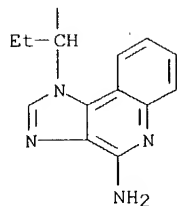
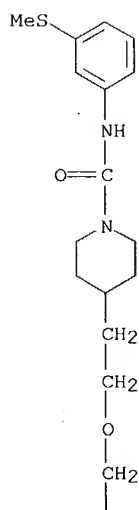
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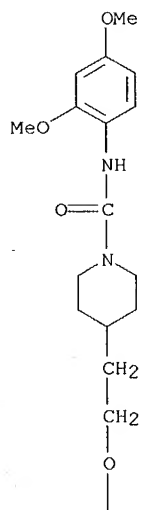
PAGE 2-A



RN 437383-34-1 CAPLUS
CN 1-Piperidinecarboxamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N-[3-(methylthio)phenyl]- (9CI) (CA INDEX NAME)

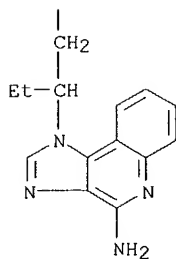


RN 437383-35-2 CAPLUS
 CN 1-Piperidinecarboxamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-(2,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



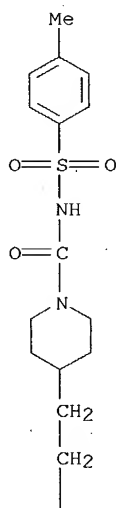
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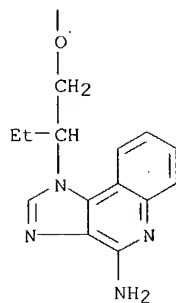


RN 437383-36-3 CAPLUS
CN 1-Piperidinecarboxamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

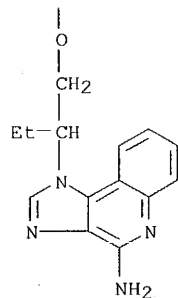
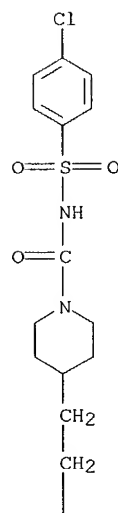
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PAGE 2-A

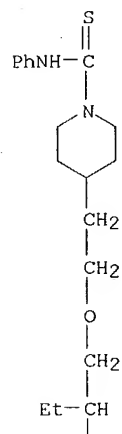


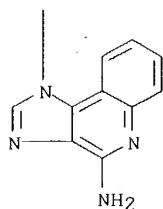
RN 437383-37-4 CAPLUS
CN 1-Piperidinecarboxamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-[(4-chlorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 437383-39-6 CAPLUS

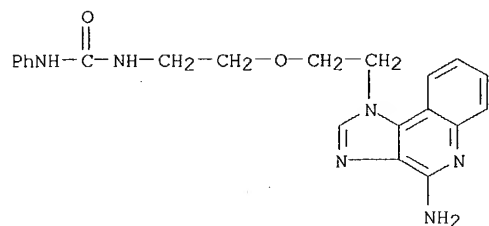
CN 1-Piperidinecarbothioamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-phenyl- (9CI) (CA INDEX NAME)





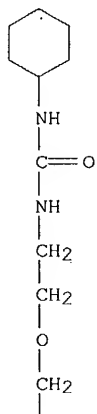
RN 437383-41-0 CAPLUS

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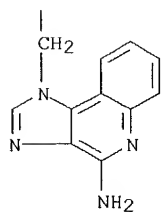
RN 437383-42-1 CAPLUS

CN Urea, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-cyclohexyl- (9CI) (CA INDEX NAME)



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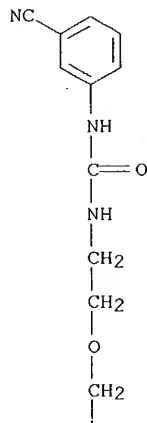
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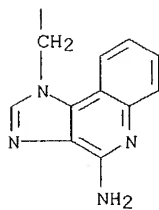
RN 437383-43-2 CAPLUS

CN Urea, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-(3-cyanophenyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

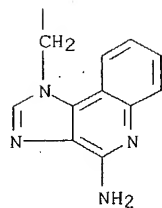
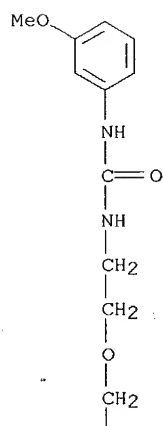


PAGE 2-A



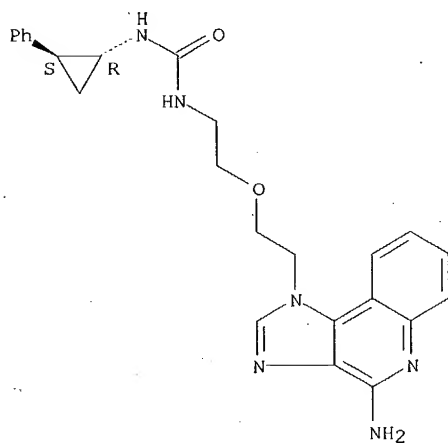
RN 437383-44-3 CAPLUS

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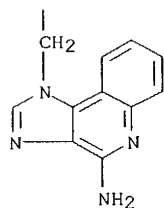
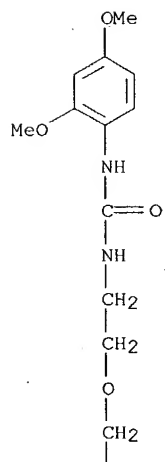


RN 437383-45-4 CAPLUS
 CN Urea, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-
 [(1R,2S)-2-phenylcyclopropyl]-, rel- (9CI) (CA INDEX NAME)

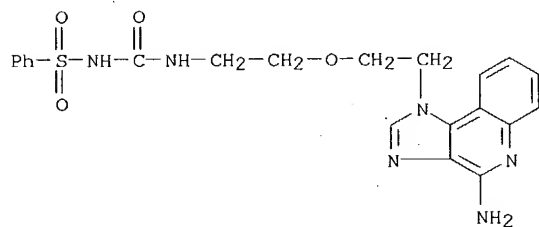
Relative stereochemistry.



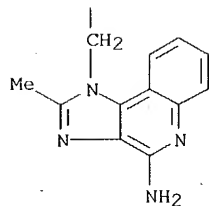
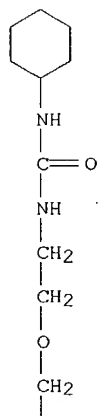
RN 437383-46-5 CAPLUS
 CN Urea, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-
 (2,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



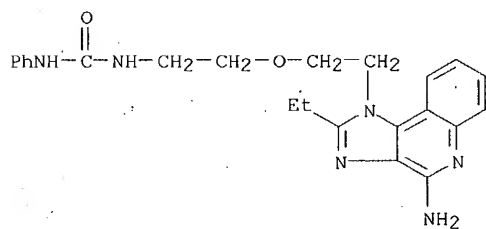
RN 437383-47-6 CAPLUS
 CN Benzenesulfonamide, N-[[[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



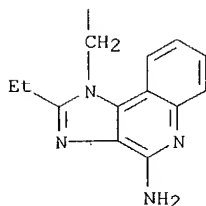
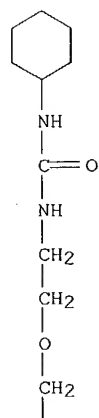
RN 557787-30-1 CAPLUS
 CN Urea, N-[2-[2-(4-amino-2-methyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-cyclohexyl- (9CI) (CA INDEX NAME)



RN 557787-31-2 CAPLUS
 CN Urea, N-[2-[2-(4-amino-2-ethyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-phenyl- (9CI) (CA INDEX NAME)

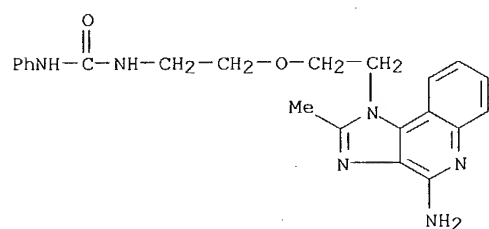


RN 557787-32-3 CAPLUS
 CN Urea, N-[2-[2-(4-amino-2-ethyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-cyclohexyl- (9CI) (CA INDEX NAME)



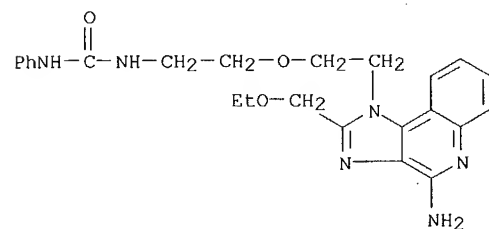
RN 557787-33-4 CAPLUS

CN Urea, N-[2-[2-(4-amino-2-methyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-phenyl- (9CI) (CA INDEX NAME)



RN 557787-35-6 CAPLUS

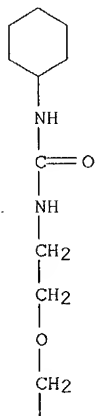
CN Urea, N-[2-[2-(4-amino-2-(ethoxymethyl)-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-phenyl- (9CI) (CA INDEX NAME)



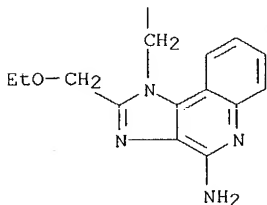
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RN 557787-36-7 CAPLUS
CN Urea, N-[2-[2-[4-amino-2-(ethoxymethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]-N'-cyclohexyl- (9CI) (CA INDEX NAME)

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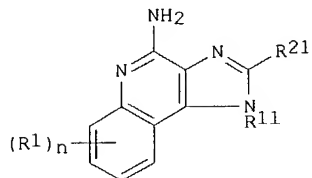


L6 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:434369 CAPLUS
DN 139:26620
TI Topical pharmaceuticals comprising an immune response modifier
IN Skwierczynski, Raymond D.; Busch, Terri F.; Gust-Heiting, Amy L.;
Fretland, Mary T.; Scholz, Matthew T.
PA 3M Innovative Properties Company, USA
SO PCT Int. Appl., 123 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003045391	A1	20030605	WO 2002-US38190	20021127
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CE, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

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US 2003199538 A1 20031023 US 2002-306019 20021127
 PRAI US 2001-340605P P 20011129
 US 2002-378452P P 20020506
 OS MARPAT 139:26620
 GI



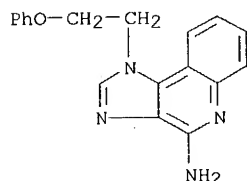
I

AB Pharmaceutical formulations comprise an immune response modifier (IRM) chosen from imidazoquinoline amines, imidazotetrahydroquinoline amines, imidazopyridine amines, and other heterocyclic fused ring derivs.; a fatty acid; and a hydrophobic, aprotic component miscible with the fatty acid are useful for the treatment of dermal associated conditions. Topical formulations containing, e.g., I are provided. In one embodiment, the topical formulations are advantageous for treatment of actinic keratosis, postsurgical scars, basal cell carcinoma, atopic dermatitis, and warts.

IT **437602-70-5**
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (topical pharmaceuticals comprising an immune response modifier)

RN 437602-70-5 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-(2-phenoxyethyl)- (9CI) (CA INDEX NAME)

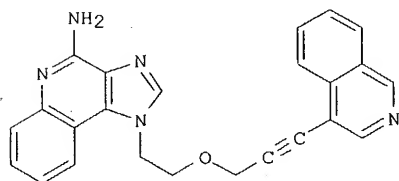
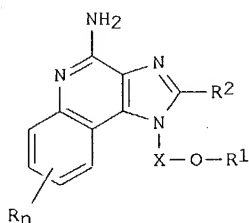


RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:449684 CAPLUS
 DN 137:33299
 TI Preparation of heterocyclic ether substituted imidazoquinolines as immune response modulators for treatment of viral and neoplastic diseases
 IN Charles, Leslie J.; Dellaria, Joseph F.; Griesgraber, George W.; Heppner, Philip D.; Manske, Karl J.; Mickelson, John W.; Rice, Michael J.
 PA 3M Innovative Properties Company, USA
 SO PCT Int. Appl., 119 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 11

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002046193	A2	20020613	WO 2001-US46704	20011206
WO 2002046193	A3	20030227		
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

AU 2002030618	A5	20020618	AU 2002-30618	20011206
US 2003065005	A1	20030403	US 2001-11921	20011206
US 6664260	B2	20031216		
EP 1339715	A2	20030903	EP 2001-990852	20011206
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001016047	A	20030930	BR 2001-16047	20011206
EE 200300271	A	20031015	EE 2003-271	20011206
NO 2003002596	A	20030606	NO 2003-2596	20030606
US 2004072858	A1	20040415	US 2003-675833	20030930
PRAI US 2000-254218P	P	20001208		
US 2001-11921	A1	20011206		
WO 2001-US46704	W	20011206		
OS MARPAT 137:33299				
GI				



AB Title (tetrahydro)imidazoquinolines that contain ether and heterocyclyl or heteroaryl functionality at the 1-position [I; wherein X = CHR3, CHR3-alkyl, or CHR3-alkenyl; R = independently alkyl, alkoxy, OH, halo, or CF3; R1 = heteroaryl, heterocyclyl, R4-heteroaryl, or R4-heterocyclyl; R2 = H, alkyl, alkenyl, (hetero)aryl, heterocyclyl, alkyl-Y-alkyl; alkyl-Y-alkenyl, or alkyl-Y-aryl in which the alkyl and alkenyl groups may be substituted; R3 = independently H or alkyl; R4 = alkyl or alkenyl, which may be interrupted by one or more O groups; Y = independently O or S(O)0-2; n = 0-4; or their pharmaceutically acceptable salts] were prepared as immune response modifiers which can induce the biosynthesis of various cytokines. For example, 2-(1H-imidazo[4,5-c]quinolin-1-yl)-1-ethanol was treated with NaOH and propargyl bromide in CH2Cl2 to give the ether. Oxidization using 3-chloroperoxybenzoic acid afforded the 5N-oxide, which was reacted with trichloroacetyl isocyanate and hydrolyzed to give the amine. BOC protection, followed by addition of 4-bromoisoquinoline in the presence of Pd(PPh3)2Cl2 and TEA in DMF and treatment with TFA under nitrogen, afforded II. II induced interferon (IFN) and tumor necrosis factor α (TNF- α) in human blood cell systems with at concns. of 0.12 μ M and 3.33 μ M, resp. Thus, I are useful in the treatment of a variety of conditions, including viral and neoplastic diseases (no data).

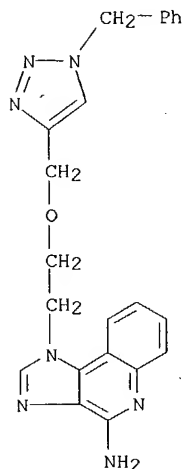
IT **436157-96-9P 436157-97-OP 436157-98-1P**, 1-[2-[[1-[(Phenylsulfanyl)methyl]-1H-1,2,3-triazol-4-yl]methoxy]ethyl]-1H-imidazo[4,5-c]quinoline-4-amine **436157-99-2P**, 1-[2-[[1-[(Phenylsulfanyl)methyl]-1H-1,2,3-triazol-5-yl]methoxy]ethyl]-1H-imidazo[4,5-c]quinoline-4-amine **436158-67-7P**, 1-[2-[[1-Benzyl-1H-1,2,3-triazol-4-yl]methoxy]ethyl]-1H-imidazo[4,5-c]quinoline-4-amine **436158-68-8P**, 1-[2-[[1-Benzyl-1H-1,2,3-triazol-5-yl]methoxy]ethyl]-1H-imidazo[4,5-c]quinoline-4-amine
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (immune response modulator; preparation of heterocyclic ether substituted

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imidazoquinolines as immune response modulators for treatment of viral and neoplastic diseases)

RN 436157-96-9 CAPLUS

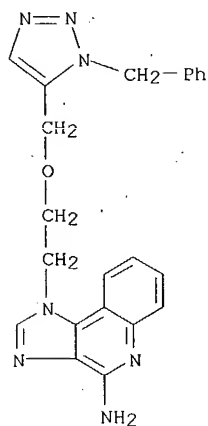
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[1-(phenylmethyl)-1H-1,2,3-triazol-4-yl]methoxy]ethyl]-, hydrochloride (20:19) (9CI) (CA INDEX NAME)



●19/20 HCl

RN 436157-97-0 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[1-(phenylmethyl)-1H-1,2,3-triazol-5-yl]methoxy]ethyl]-, hydrochloride (20:19) (9CI) (CA INDEX NAME)

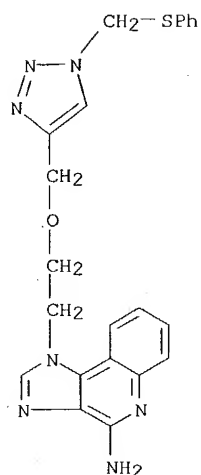


●19/20 HCl

RN 436157-98-1 CAPLUS

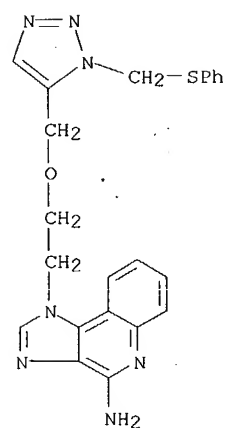
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[1-[(phenylthio)methyl]-1H-1,2,3-triazol-4-yl]methoxy]ethyl]- (9CI) (CA INDEX NAME)

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RN 436157-99-2 CAPLUS

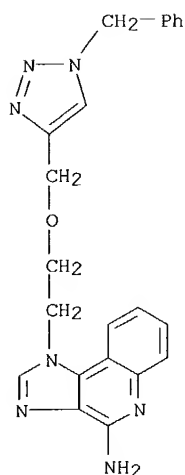
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[1-[(phenylthio)methyl]-1H-1,2,3-triazol-5-yl]methoxy]ethyl]- (9CI) (CA INDEX NAME)



RN 436158-67-7 CAPLUS

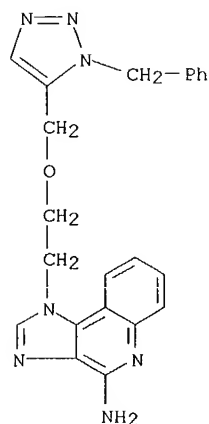
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[1-(phenylmethyl)-1H-1,2,3-triazol-4-yl]methoxy]ethyl]- (9CI) (CA INDEX NAME)

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RN 436158-68-8 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[1-(phenylmethyl)-1H-1,2,3-triazol-5-yl]methoxy]ethyl]- (9CI) (CA INDEX NAME)



L6 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:449682 CAPLUS

DN 137:33298

TI Preparation of urea substituted imidazoquinoline ethers as immune response modifiers

IN Crooks, Stephen L.; Griesgraber, George W.; Heppner, Philip D.; Merrill, Bryon A.

PA 3M Innovative Properties Company, USA

SO PCT Int. Appl., 71 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 11

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046191	A2	20020613	WO 2001-US46696	20011206
	WO 2002046191	A3	20030313		

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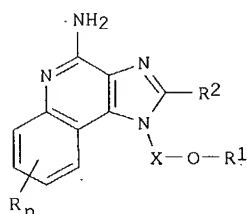
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BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
AU 2002032497 A5 20020618 AU 2002-32497 20011206
US 2003065005 A1 20030403 US 2001-11921 20011206
US 6664260 B2 20031216
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EE 200300272 A 20031015 EE 2003-272 20011206
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PRAI US 2000-254218P P 20001208
US 2001-11921 A1 20011206
WO 2001-US46696 W 20011206

OS MARPAT 137:33298
GI



AB The title compds. [I; X = (CH₂)₂, CH₂CH₂, etc.; R₁ = R₄NR₈CR₃NR₅ZR₆alkyl, R₄NR₈CR₃NR₅ZR₆aryl, etc.; R₂ = H, alkyl, aryl, etc.; R₃ = O, S; R₄ = alkylene or alkenylene which may be interrupted by one or more O atoms; R₅ = H, alkyl; R₆ = a bond, alkylene or alkenylene which may be interrupted by one or more O atoms; R₈ = H, alkyl, aralkyl; or R₄ and R₈ can join together to form a ring; Z = a bond, CO, SO₂; n = 0-4; R = alkyl, alkoxy, OH, etc.] that contain ether and urea functionality at the 1-position, and are useful as immune response modifiers, were prepared E.g., a multi-step synthesis of the urea I [X = (CH₂)₂; R₁ = (CH₂)₂NMeCONHPh; R₂ = (CH₂)₂OMe; n = 0] which showed the lowest concentration of 0.01 μM and 0.37 μM to induce interferon α and TNFα, resp., was prepared The compds. I can induce the biosynthesis of various cytokines and are useful in the treatment of a variety of conditions including viral diseases and neoplastic diseases.

IT 437383-04-5P 437383-05-6P 437383-06-7P
437383-07-8P 437383-13-6P 437383-15-8P
437383-16-9P 437383-17-0P 437383-18-1P
437383-19-2P 437383-20-5P 437383-21-6P
437383-22-7P 437383-23-8P 437383-24-9P
437383-27-2P 437383-29-4P 437383-30-7P
437383-31-8P 437383-32-9P 437383-33-0P
437383-34-1P 437383-35-2P 437383-36-3P
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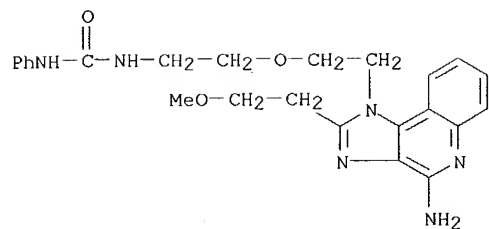
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of urea substituted imidazoquinoline ethers as immune response modifiers)

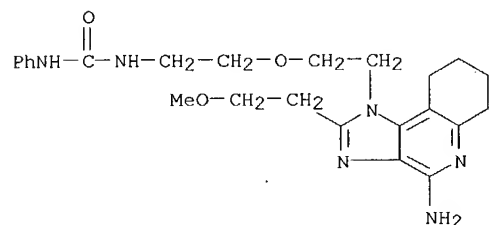
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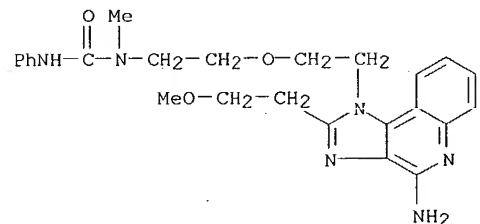
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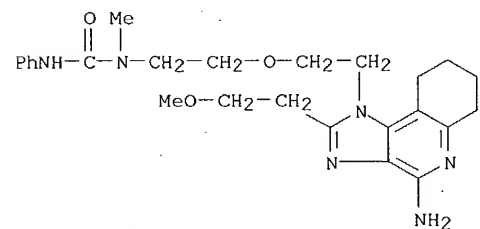
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RN 437383-06-7 CAPLUS
CN Urea, N-[2-[2-[4-amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]-N-methyl-N'-phenyl- (9CI) (CA INDEX NAME)

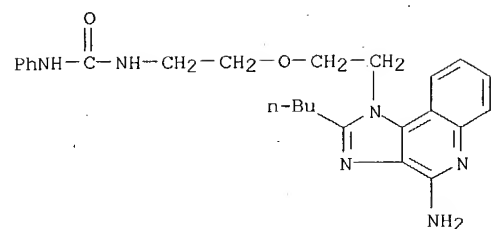


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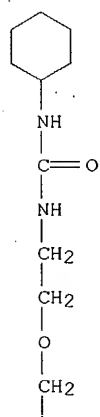
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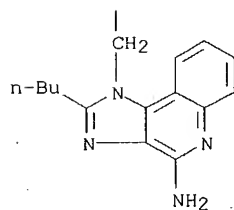


RN 437383-15-8 CAPLUS
 CN Urea, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-cyclohexyl- (9CI) (CA INDEX NAME)

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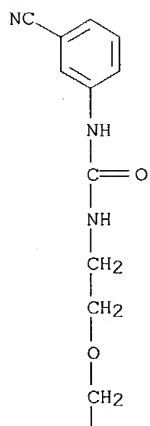
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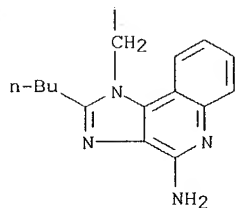
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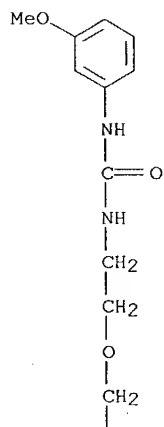


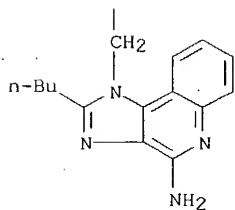
PAGE 2-A



RN 437383-17-0 CAPLUS
CN Urea, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)

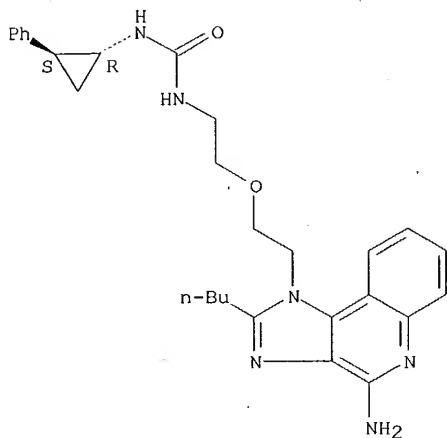
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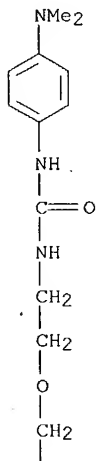


RN 437383-18-1 CAPLUS
 CN Urea, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-[(1R,2S)-2-phenylcyclopropyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

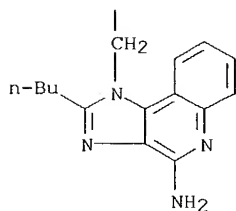


RN 437383-19-2 CAPLUS
 CN Urea, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-[4-(dimethylamino)phenyl]- (9CI) (CA INDEX NAME)



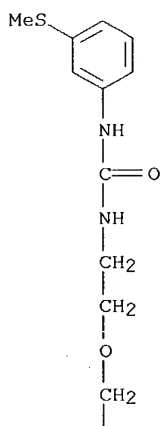
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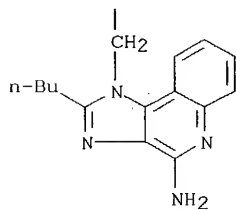


RN 437383-20-5 CAPLUS
CN Urea, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-(3-(methylthio)phenyl)- (9CI) (CA INDEX NAME)

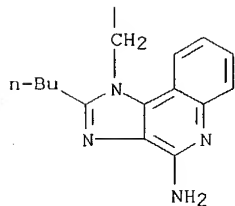
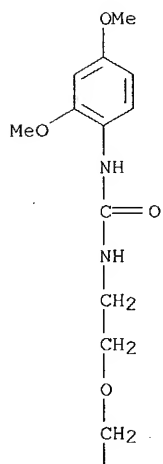
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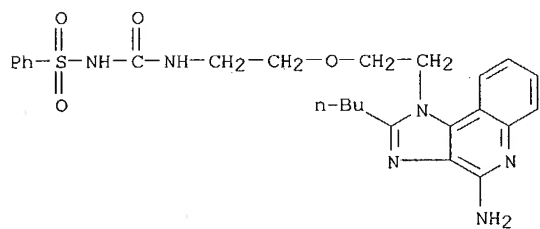
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RN 437383-21-6 CAPLUS
CN Urea, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-(2,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

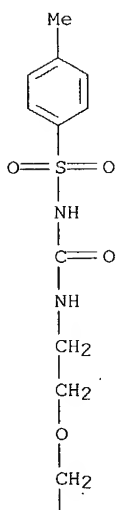


RN 437383-22-7 CAPLUS
 CN Benzenesulfonamide, N-[[[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

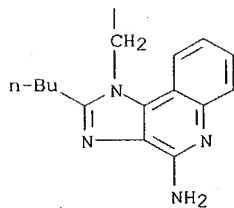


RN 437383-23-8 CAPLUS
 CN Benzenesulfonamide, N-[[[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]amino]carbonyl]-4-methyl- (9CI) (CA INDEX NAME)

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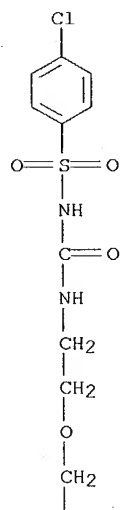


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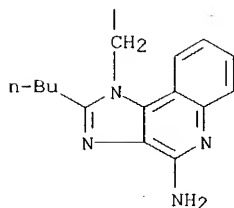
RN 437383-24-9 CAPLUS
 CN Benzenesulfonamide, N-[[[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]amino]carbonyl]-4-chloro- (9CI) (CA INDEX NAME)

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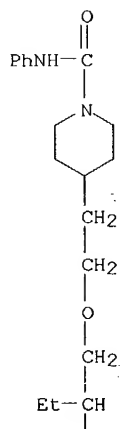
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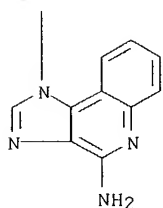


RN 437383-27-2 CAPLUS
CN 1-Piperidinecarboxamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-phenyl- (9CI) (CA INDEX NAME)

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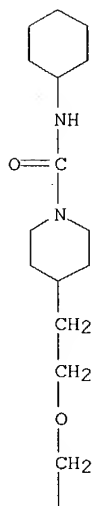
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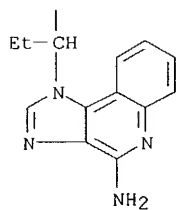
RN 437383-29-4 CAPLUS
CN 1-Piperidinecarboxamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-cyclohexyl- (9CI) (CA INDEX NAME)

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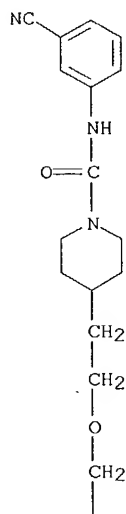


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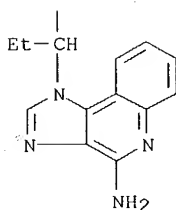


RN 437383-30-7 CAPLUS
CN 1-Piperidinecarboxamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-(3-cyanophenyl)- (9CI) (CA INDEX NAME)

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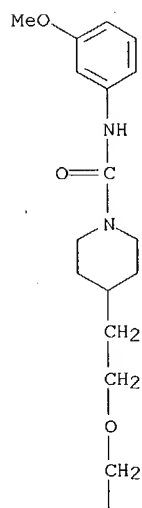
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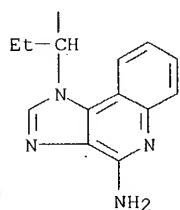
RN 437383-31-8 CAPLUS

CN 1-Piperidinecarboxamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)

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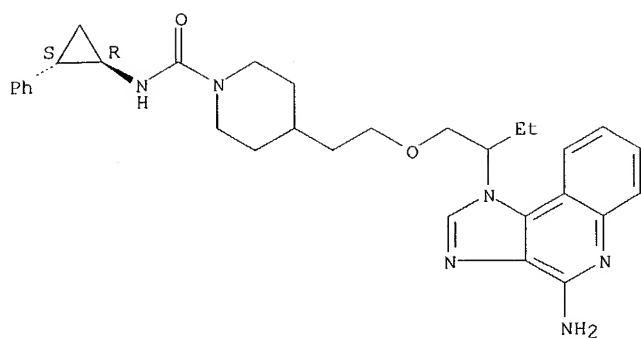


RN 437383-32-9 CAPLUS

CN 1-Piperidinecarboxamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-[(1R,2S)-2-phenylcyclopropyl]-, rel- (9CI) (CA INDEX NAME)

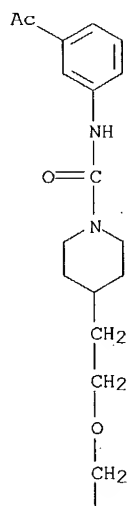
Relative stereochemistry.

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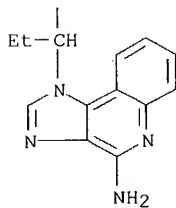


RN 437383-33-0 CAPLUS
CN 1-Piperidinecarboxamide, N-(3-acetylphenyl)-4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]- (9CI) (CA INDEX NAME)

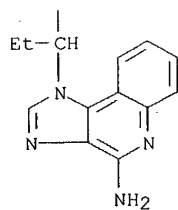
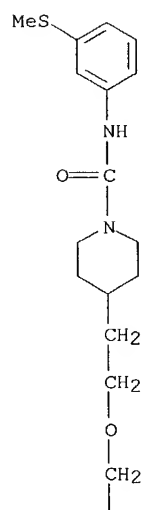
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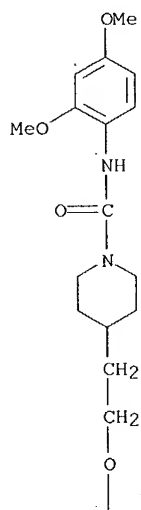
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RN 437383-34-1 CAPLUS
CN 1-Piperidinecarboxamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-[3-(methylthio)phenyl]- (9CI) (CA INDEX NAME)

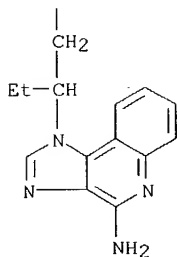


RN 437383-35-2 CAPLUS
 CN 1-Piperidinecarboxamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-(2,4-dimethoxyphenyl)- (9CI) (CA INDEX NAME)



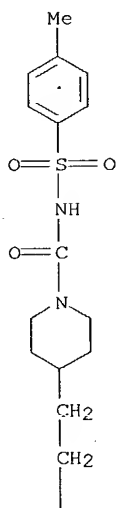
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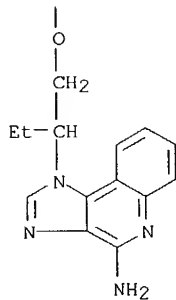


RN 437383-36-3 CAPLUS
CN 1-Piperidinecarboxamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

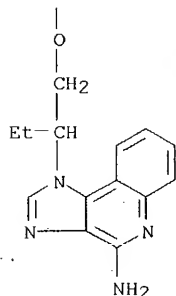
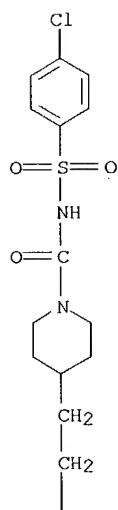
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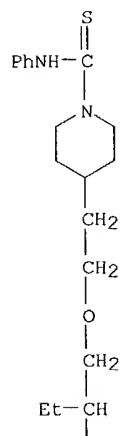
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RN 437383-37-4 CAPLUS
CN 1-Piperidinecarboxamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-[(4-chlorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)

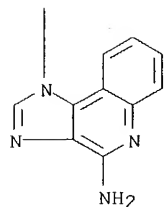


RN 437383-39-6 CAPLUS
 CN 1-Piperidinecarbothioamide, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-N-phenyl- (9CI) (CA INDEX NAME)



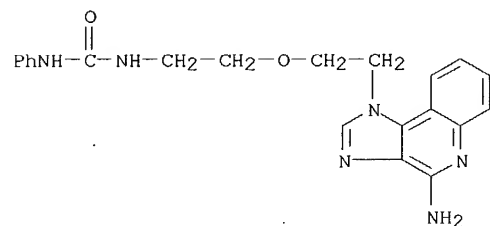
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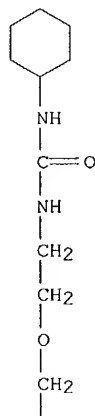
CN Urea, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-phenyl- (9CI) (CA INDEX NAME)



RN 437383-42-1 CAPLUS

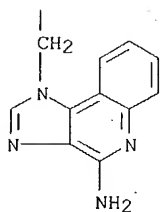
CN Urea, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-cyclohexyl- (9CI) (CA INDEX NAME)

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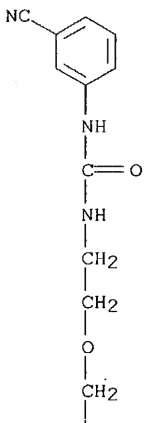
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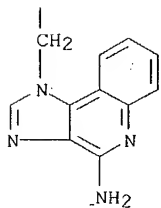
RN 437383-43-2 CAPLUS

CN Urea, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-(3-cyanophenyl)- (9CI) (CA INDEX NAME)

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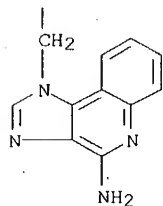
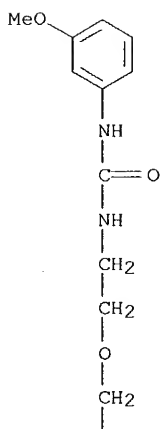


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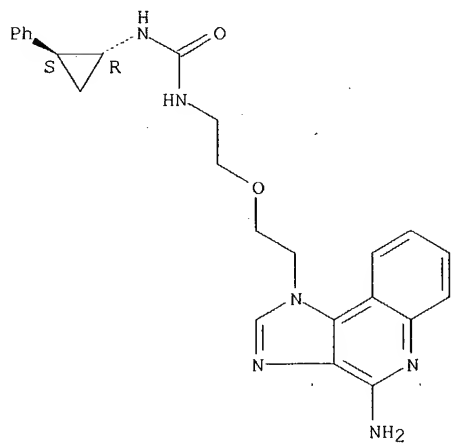
CN Urea, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



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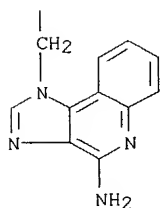
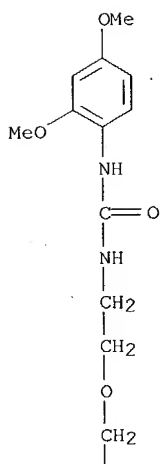
CN Urea, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-N'-[(1R,2S)-2-phenylcyclopropyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

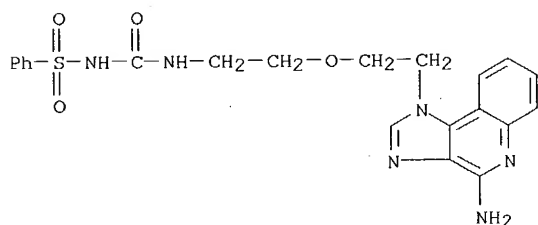


RN 437383-46-5 CAPLUS

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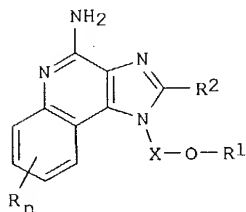


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 CN Benzenesulfonamide, N-[[[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



L6 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:449681 CAPLUS
 DN 137:33297
 TI Preparation of sulfonamido ether substituted imidazoquinolines as immune response modifiers
 IN Crooks, Stephen L.; Greisgraber, George W.; Heppner, Philip D.; Merrill, Bryon A.; Roberts, Ralph R.; Wei, Ai-Ping
 PA 3M Innovative Properties Company, USA
 SO PCT Int. Appl., 74 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 11

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046190	A2	20020613	WO 2001-US46582	20011206
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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	US 2001-11921	A1	20011206		
	WO 2001-US46582	W	20011206		
OS	MARPAT 137:33297				
GI					



I

AB The title compds. [I; X = (CH₂)₂, (CH₂)₃, CH₂CH₂, etc.; R₁ = R₄NR₃SO₂R₆alkyl, R₄NR₃SO₂R₆aryl, etc.; R₂ = H, alkyl, alkenyl, etc.; R₃ = H, alkyl, aralkyl; R₄ = alkylene or alkenylene interrupted by one or more O atoms; or R₃R₄ can join together to form a ring; R₆ = a bond, alkylene or alkenylene which may be interrupted by one or more O atoms; n = 0-4; R = alkyl, alkoxy, OH, etc.] that contain substituted amine functionality at the 1-position, and are useful as immune response modifiers, were prepared. E.g., a multi-step synthesis of I [X = (CH₂)₂; R₁ = (CH₂)₂NMeSO₂Me; R₂ = (CH₂)₂OMe; n = 0] which showed the lowest concentration of 0.01 μM and 0.12 μM to induce interferon α and TNFα, resp., was given. The compds. I can induce the biosynthesis of various cytokines and are useful in the treatment of a variety of conditions including viral diseases and neoplastic diseases.

IT 437382-59-7P 437382-61-1P 437382-62-2P
 437382-63-3P 437382-64-4P 437382-65-5P
 437382-66-6P 437382-67-7P 437382-68-8P
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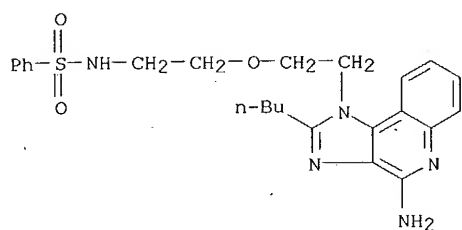
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of sulfonamido ether substituted imidazoquinolines as immune response modifiers)

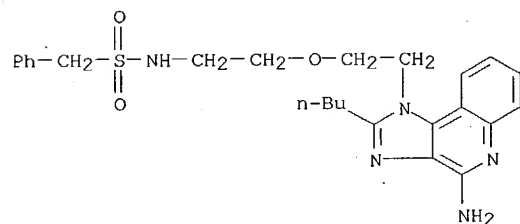
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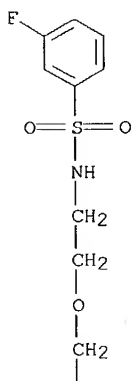


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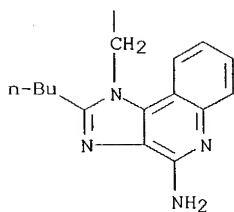
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CN Benzenesulfonamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-3-fluoro- (9CI) (CA INDEX NAME)

PAGE 1-A



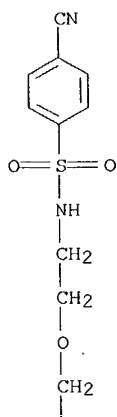
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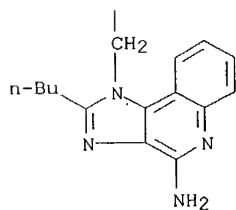


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CN Benzenesulfonamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-cyano- (9CI) (CA INDEX NAME)

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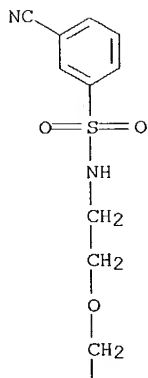
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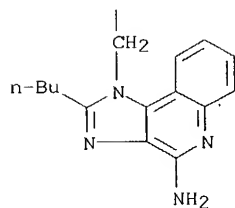
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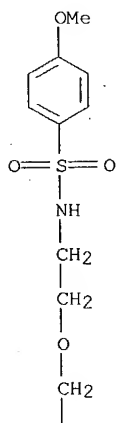


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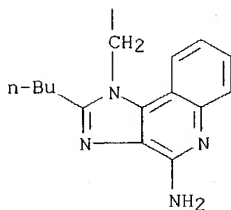


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CN Benzenesulfonamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-methoxy- (9CI) (CA INDEX NAME)

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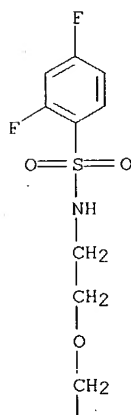


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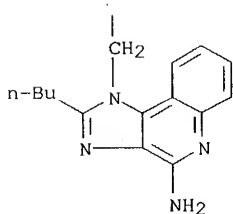


RN 437382-66-6 CAPLUS
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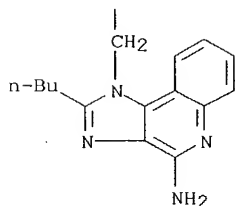
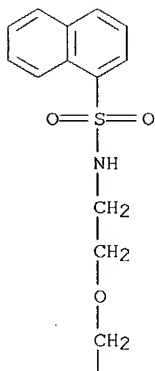
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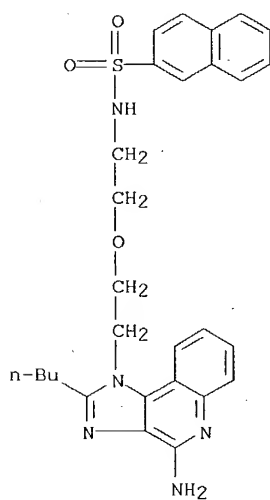
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RN 437382-67-7 CAPLUS
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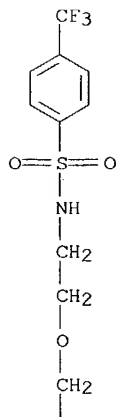


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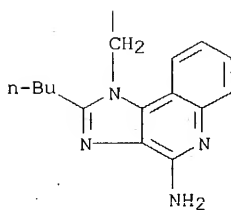


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 CN Benzenesulfonamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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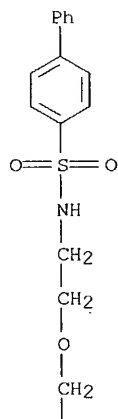


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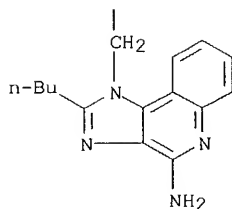
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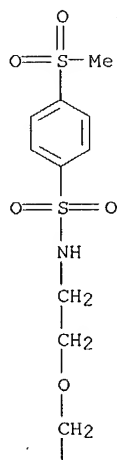
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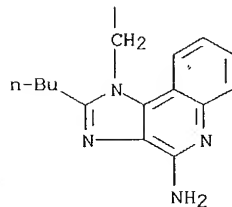


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CN Benzenesulfonamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-(methylsulfonyl)- (9CI) (CA INDEX NAME)

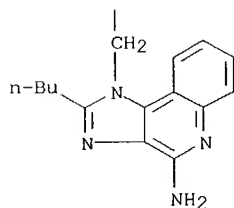
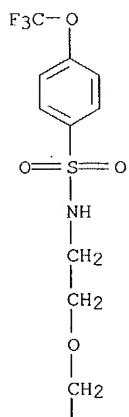
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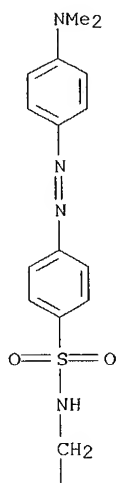
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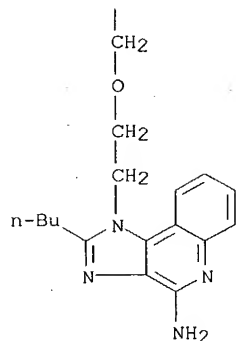


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CN Benzenesulfonamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)

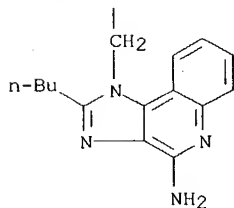
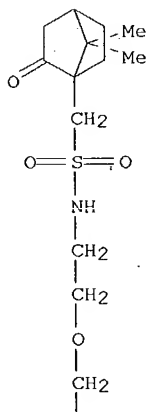


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 CN Benzenesulfonamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-[[4-(dimethylamino)phenyl]azo]- (9CI) (CA INDEX NAME)





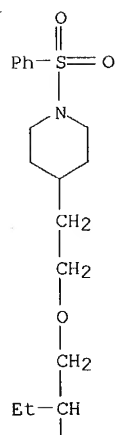
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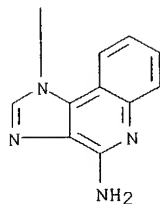
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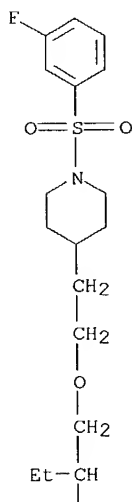


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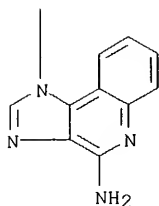
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CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
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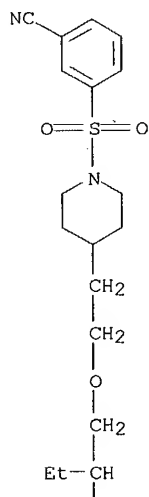
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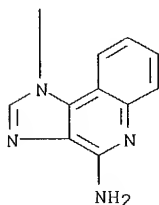
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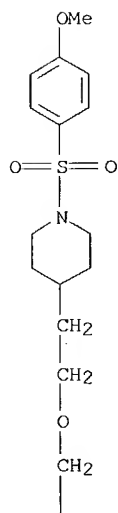


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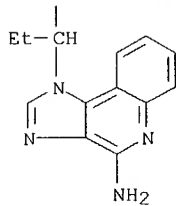
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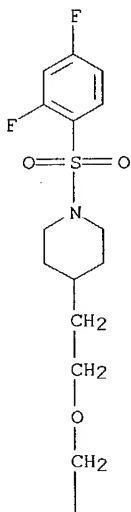


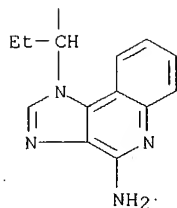
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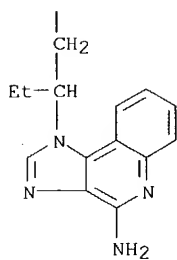
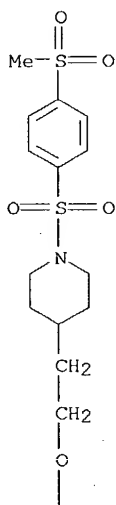
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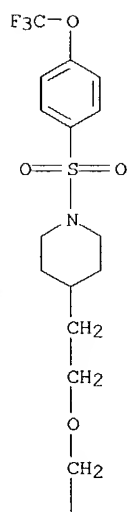
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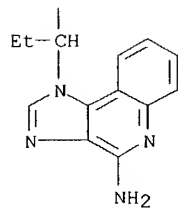
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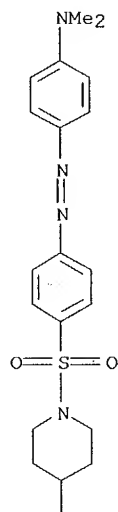


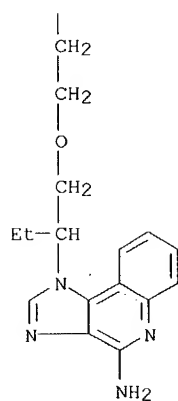
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NAME)

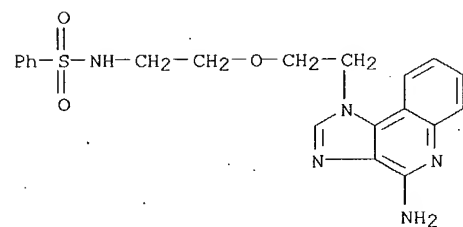
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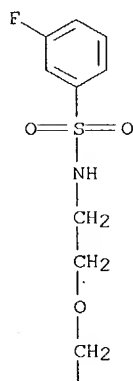
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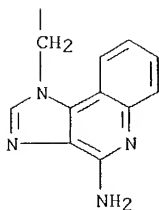
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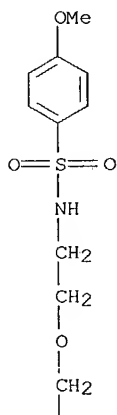
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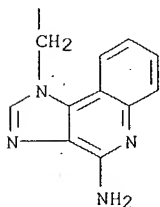


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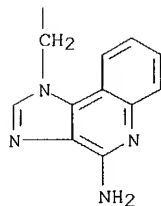
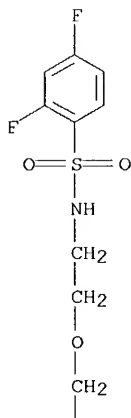
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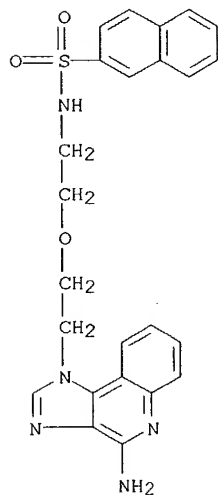


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CN Benzenesulfonamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-2,4-difluoro- (9CI) (CA INDEX NAME)



RN 437382-94-0 CAPLUS

CN 2-Naphthalenesulfonamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)

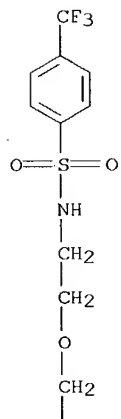


RN 437382-95-1 CAPLUS

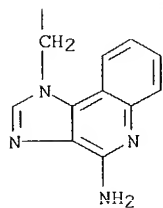
CN Benzenesulfonamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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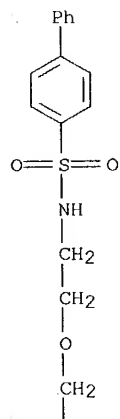


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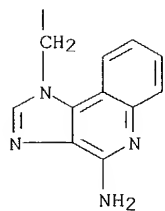
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CN [1,1'-Biphenyl]-4-sulfonamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



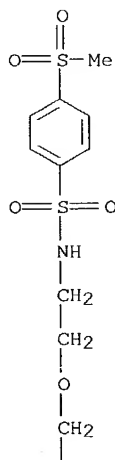
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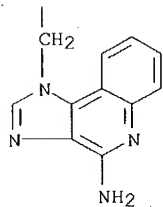


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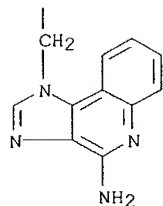
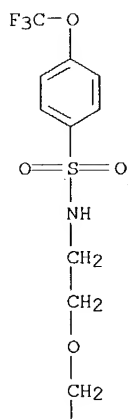
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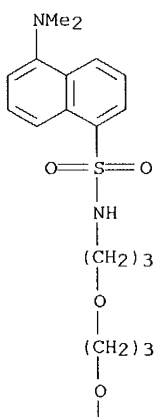
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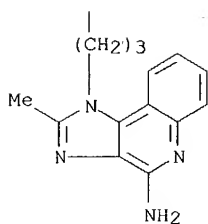


RN 437382-98-4 CAPLUS
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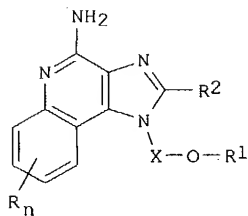
RN 437382-99-5 CAPLUS
 CN 1-Naphthalenesulfonamide, N-[3-[3-[3-(4-amino-2-methyl-1H-imidazo[4,5-c]quinolin-1-yl)propoxy]propoxy]propyl]-5-(dimethylamino)- (9CI) (CA INDEX NAME)



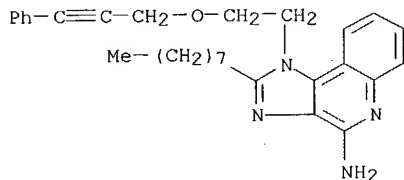


L6 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:449680 CAPLUS
 DN 137:33296
 TI Preparation of aryl ether substituted imidazoquinolines as immune response modifiers
 IN Charles, Leslie J.; Dellaria, Joseph F.; Heppner, Philip D.; Merrill, Bryon A.; Mickelson, John W.
 PA 3M Innovative Properties Company, USA
 SO PCT Int. Appl., 184 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 11

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046189	A2	20020613	WO 2001-US46581	20011206
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	US 2001-11921	A1	20011206		
	WO 2001-US46581	W	20011206		
OS	MARPAT 137:33296				
GI					



- AB The title compds. [I; X = (CH₂)₂, CH₂CH₂, etc.; R₁ = alkenyl, aryl, R₄-aryl; R₂ = H, alkyl, alkenyl, etc.; R₄ = alkyl, alkenyl which may be interrupted by one or more O atoms; R₃ = H, alkyl; n = 0-4; R = alkyl, alkoxy, OH, etc.] that contain ether and aryl or alkenyl functionality at the 1-position, and are useful as immune response modifiers, were prepared E.g., a multi-step synthesis of I [X = (CH₂)₂; R₁ = CH₂C.tplbond.CH; R₂ = H; n = 0] which showed the lowest concentration of 0.12 μM and 1.11 μM to induce interferon α and TNFα, resp., was given. The compds. I can induce the biosynthesis of various cytokines and are useful in the treatment of a variety of conditions including viral diseases and neoplastic diseases.
- IT **437602-85-2P**
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (preparation of aryl ether substituted imidazoquinolines as immune response modifiers)
- RN 437602-85-2 CAPLUS
- CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-octyl-1-[2-[(3-phenyl-2-propynyl)oxy]ethyl]- (9CI) (CA INDEX NAME)



- IT 437600-83-4P 437600-84-5P 437600-85-6P
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 437600-89-0P 437600-90-3P 437600-91-4P
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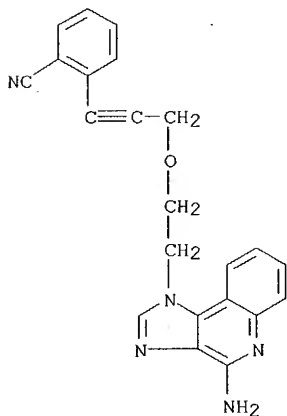
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(preparation of aryl ether substituted imidazoquinolines as immune response
modifiers)

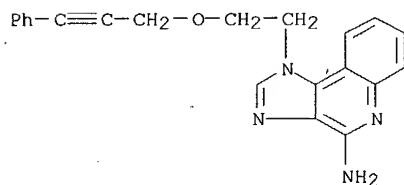
RN 437600-83-4 CAPLUS

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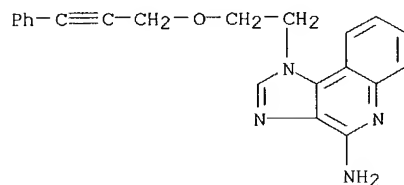
RN 437600-84-5 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(3-phenyl-2-propynyl)oxy]ethyl]-
(9CI) (CA INDEX NAME)



RN 437600-85-6 CAPLUS

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monohydrochloride (9CI) (CA INDEX NAME)



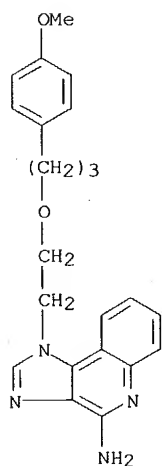
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RN 437600-86-7 CAPLUS

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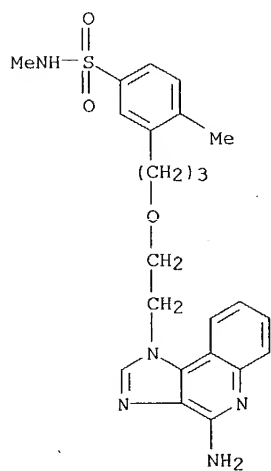
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(9CI) (CA INDEX NAME)



RN 437600-87-8 CAPLUS

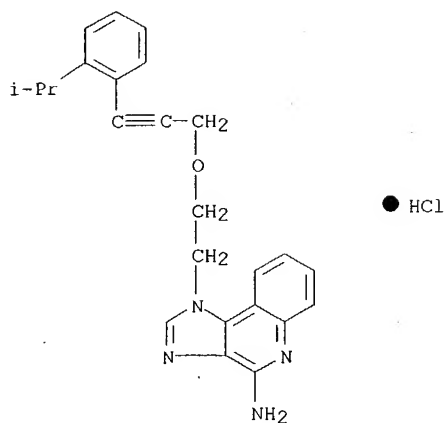
CN Benzenesulfonamide, 3-[3-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]propyl]-N,4-dimethyl- (9CI) (CA INDEX NAME)



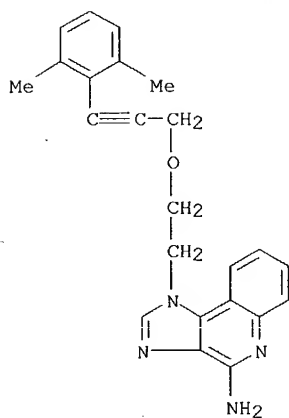
RN 437600-88-9 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[3-[2-(1-methylethyl)phenyl]-2-propynyl]oxy]ethyl]-, monohydrochloride (9CI) (CA INDEX NAME)

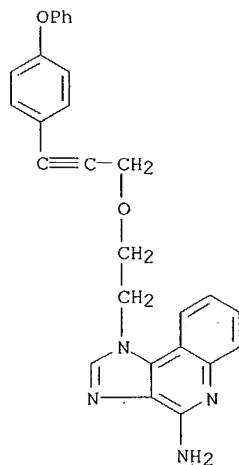
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RN 437600-89-0 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[3-(2,6-dimethylphenyl)-2-propynyl]oxy]ethyl]- (9CI) (CA INDEX NAME)



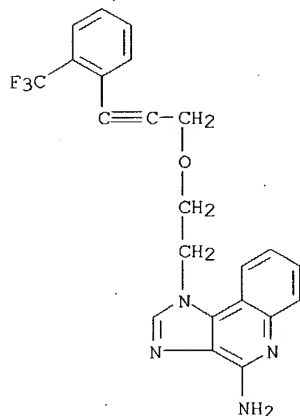
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 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[3-(4-phenoxyphenyl)-2-propynyl]oxy]ethyl]- (9CI) (CA INDEX NAME)



10696753

RN 437600-91-4 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[3-[2-(trifluoromethyl)phenyl]-2-propynyl]oxy]ethyl]- (9CI) (CA INDEX NAME)



RN 437600-93-6 CAPLUS

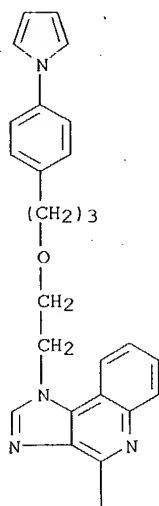
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[3-[4-(1H-pyrrol-1-yl)phenyl]propoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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CRN 437600-92-5

CMF C25 H25 N5 O

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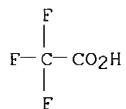
PAGE 2-A

NH2

CM 2

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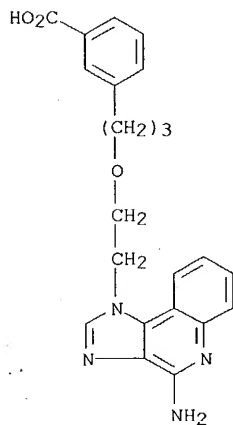
CRN 76-05-1
CMF C2 H F3 O2



RN 437600-95-8 CAPLUS
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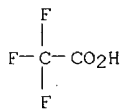
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CRN 437600-94-7
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CM 2

CRN 76-05-1
CMF C2 H F3 O2

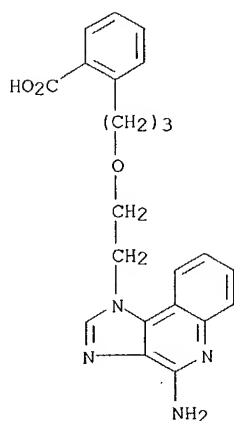


RN 437600-97-0 CAPLUS
CN Benzoic acid, 2-[3-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437600-96-9
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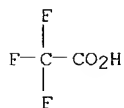
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CRN 76-05-1

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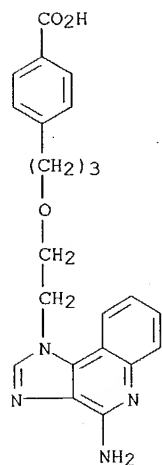
RN 437600-99-2 CAPLUS

CN Benzoic acid, 4-[[3-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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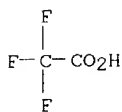


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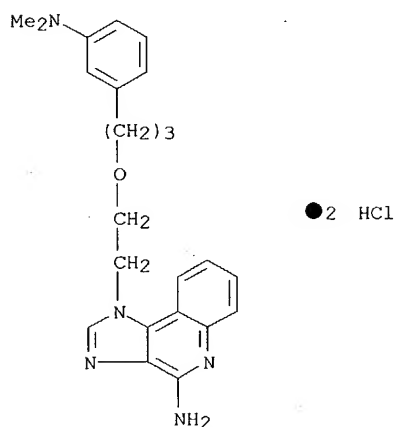
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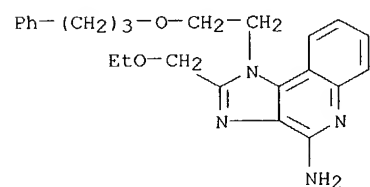
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RN 437601-00-8 CAPLUS
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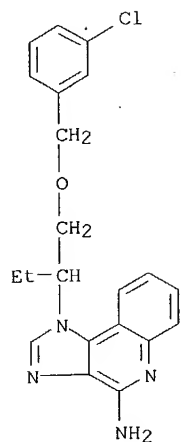
RN 437601-01-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(ethoxymethyl)-1-[2-(3-phenylpropoxy)ethyl]-, hydrochloride (2:3) (9CI) (CA INDEX NAME)



• 3/2 HCl

RN 437601-02-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[3-(3-chlorophenyl)methoxy]methyl]propyl]- (9CI) (CA INDEX NAME)

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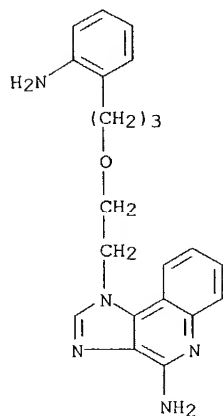
RN 437601-04-2 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[3-(2-aminophenyl)propoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-03-1

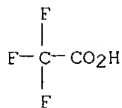
CMF C21 H23 N5 O



CM 2

CRN 76-05-1

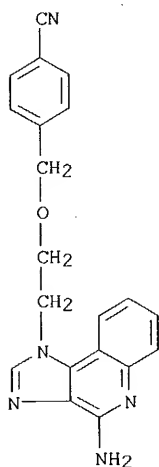
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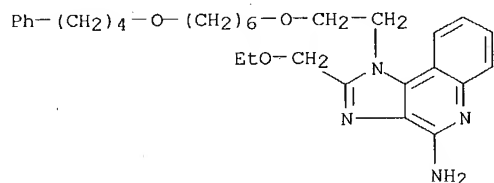
CN Benzonitrile, 4-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]methyl]- (9CI) (CA INDEX NAME)

10696753



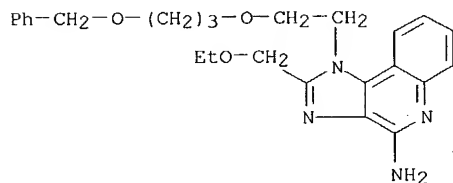
RN 437601-06-4 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(ethoxymethyl)-1-[2-[[6-(4-phenylbutoxy)hexyl]oxy]ethyl]- (9CI) (CA INDEX NAME)



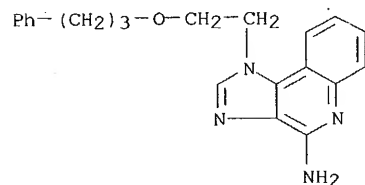
RN 437601-07-5 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(ethoxymethyl)-1-[2-[3-(phenylmethoxy)propoxy]ethyl]- (9CI) (CA INDEX NAME)



RN 437601-08-6 CAPLUS

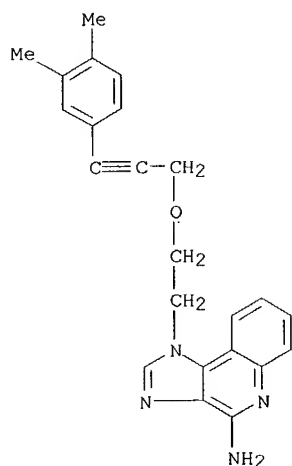
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(3-phenylpropoxy)ethyl]- (9CI) (CA INDEX NAME)



RN 437601-09-7 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[3-(3,4-dimethylphenyl)-2-propynyl]oxy]ethyl]- (9CI) (CA INDEX NAME)

10696753



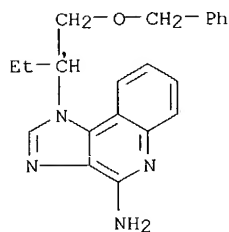
RN 437601-11-1 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[(phenylmethoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-10-0

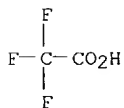
CMF C21 H22 N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437601-13-3 CAPLUS

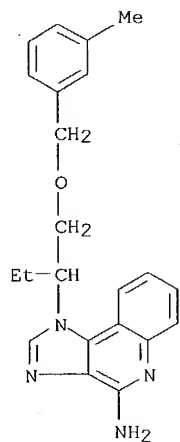
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[3-methylphenyl)methoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-12-2

CMF C22 H24 N4 O

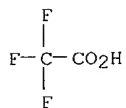
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



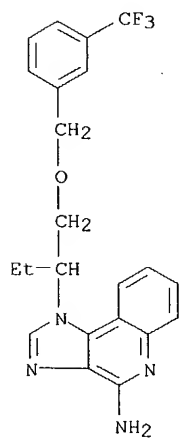
RN 437601-15-5 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[3-(trifluoromethyl)phenyl]methoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-14-4

CMF C22 H21 F3 N4 O

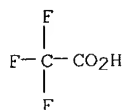


CM 2

CRN 76-05-1

CMF C2 H F3 O2

10696753



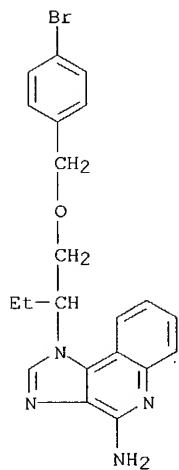
RN 437601-17-7 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[4-bromophenyl)methoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-16-6

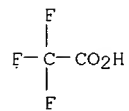
CMF C21 H21 Br N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437601-19-9 CAPLUS

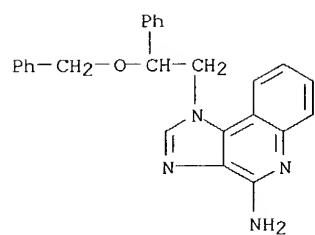
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-phenyl-2-(phenylmethoxy)ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-18-8

CMF C25 H22 N4 O

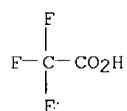
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



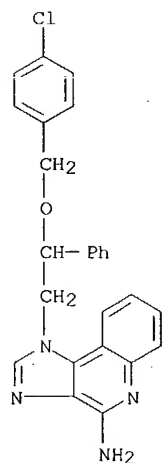
RN 437601-21-3 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(4-chlorophenyl)methoxy]-2-phenylethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-20-2

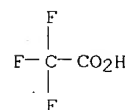
CMF C25 H21 Cl N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



10696753

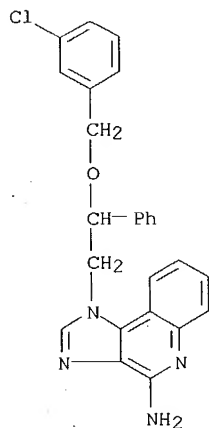
RN 437601-23-5 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(3-chlorophenyl)methoxy]-2-phenylethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-22-4

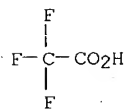
CMF C25 H21 Cl N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437601-25-7 CAPLUS

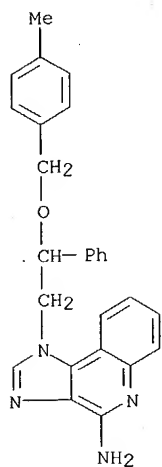
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(4-methylphenyl)methoxy]-2-phenylethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-24-6

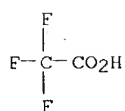
CMF C26 H24 N4 O

10696753



CM 2

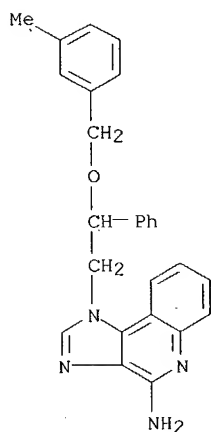
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-27-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(3-methylphenyl)methoxy]-2-phenylethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

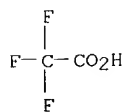
CRN 437601-26-8
CMF C26 H24 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

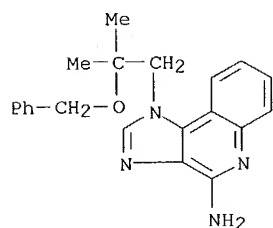
10696753



RN 437601-29-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-2-(phenylmethoxy)propyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

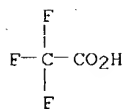
CM 1

CRN 437601-28-0
CMF C21 H22 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

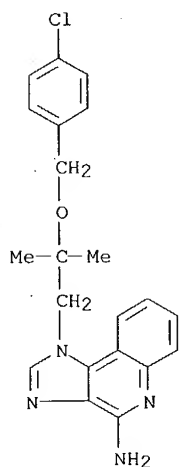


RN 437601-31-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(4-chlorophenyl)methoxy]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-30-4
CMF C21 H21 Cl N4 O

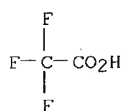
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



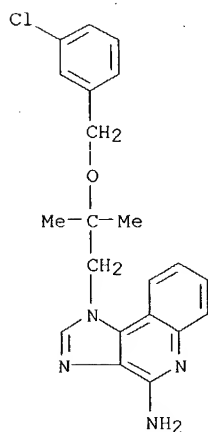
RN 437601-33-7 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(3-chlorophenyl)methoxy]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-32-6

CMF C21 H21 Cl N4 O

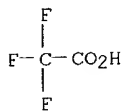


CM 2

CRN 76-05-1

CMF C2 H F3 O2

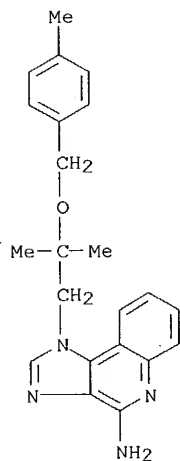
10696753



RN 437601-35-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-2-[(4-methylphenyl)methoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

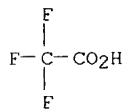
CM 1

CRN 437601-34-8
CMF C22 H24 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

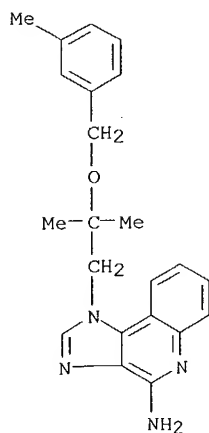


RN 437601-37-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-2-[(3-methylphenyl)methoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-36-0
CMF C22 H24 N4 O

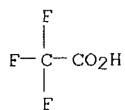
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



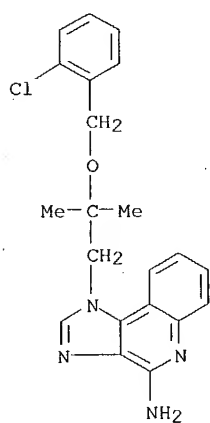
RN 437601-39-3 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(2-chlorophenyl)methoxy]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-38-2

CMF C21 H21 Cl N4 O

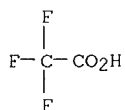


CM 2

CRN 76-05-1

CMF C2 H F3 O2

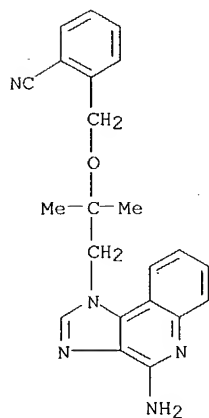
10696753



RN 437601-41-7 CAPLUS
CN Benzonitrile, 2-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)-1,1-dimethylethoxy)methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

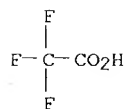
CM 1

CRN 437601-40-6
CMF C22 H21 N5 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

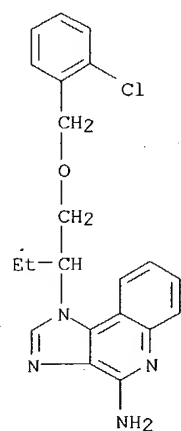


RN 437601-43-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[2-(2-chlorophenyl)methoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-42-8
CMF C21 H21 Cl N4 O

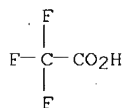
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



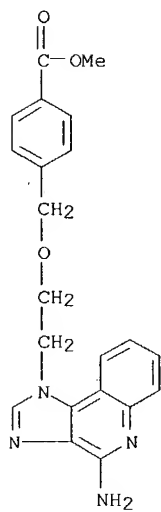
RN 437601-45-1 CAPLUS

CN Benzoic acid, 4-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]methyl]-, methyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-44-0

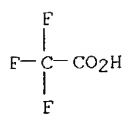
CMF C21 H20 N4 O3



CM 2

10696753

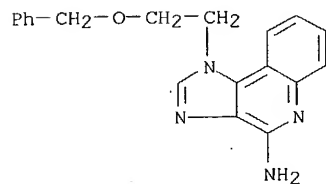
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-47-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(phenylmethoxy)ethyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

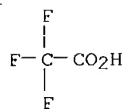
CM 1

CRN 437601-46-2
CMF C19 H18 N4 O



CM 2

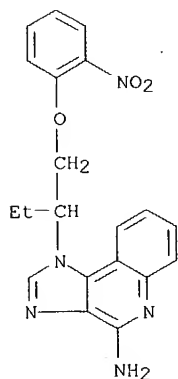
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-50-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[(2-nitrophenoxy)methyl]propyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

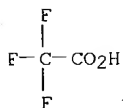
CRN 437601-49-5
CMF C20 H19 N5 O3



10696753

CM 2

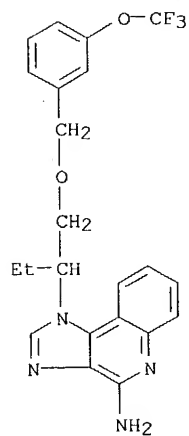
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-52-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[3-(trifluoromethoxy)phenyl]methoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

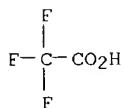
CM 1

CRN 437601-51-9
CMF C22 H21 F3 N4 O2



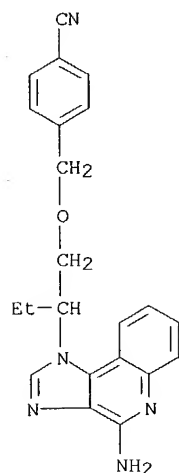
CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 437601-53-1 CAPLUS
CN Benzonitrile, 4-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]methyl]- (9CI) (CA INDEX NAME)

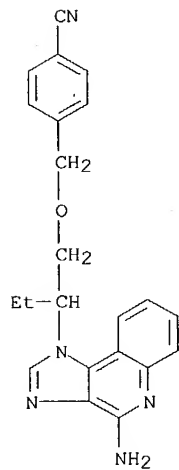
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RN 437601-54-2 CAPLUS
 CN Benzonitrile, 4-[[2-[(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]methyl]-
 , mono(trifluoroacetate) (9CI) (CA INDEX NAME)

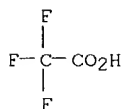
CM 1

CRN 437601-53-1
 CMF C22 H21 N5 O



CM 2

CRN 76-05-1
 CMF C2 H F3 O2



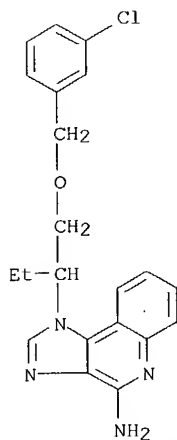
RN 437601-55-3 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[(3-chlorophenyl)methoxy]methyl]p
 ropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

10696753

CM 1

CRN 437601-02-0

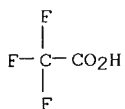
CMF C21 H21 Cl N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



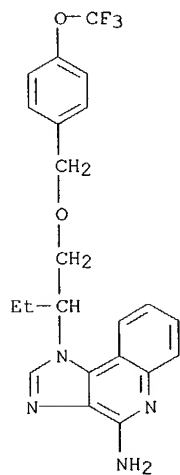
RN 437601-57-5 CAPLUS

CN 1H-imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[4-(trifluoromethoxy)phenyl]methoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-56-4

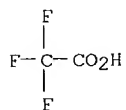
CMF C22 H21 F3 N4 O2



10696753

CM 2

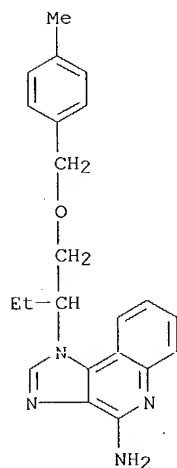
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-59-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[4-methylphenyl)methoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

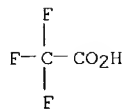
CM 1

CRN 437601-58-6
CMF C22 H24 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

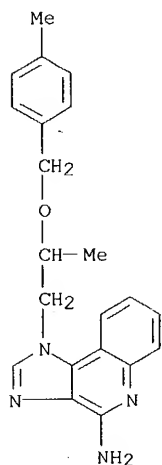


RN 437601-61-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[4-methylphenyl)methoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-60-0
CMF C21 H22 N4 O

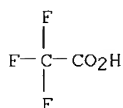
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



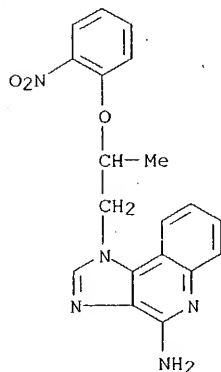
RN 437601-63-3 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(2-nitrophenoxy)propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-62-2

CMF C19 H17 N5 O3

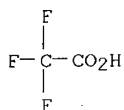


CM 2

CRN 76-05-1

CMF C2 H F3 O2

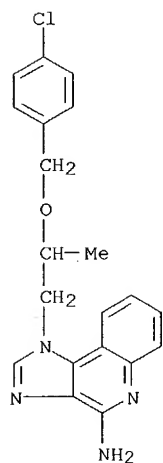
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RN 437601-65-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(4-chlorophenyl)methoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

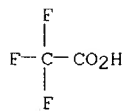
CM 1

CRN 437601-64-4
CMF C20 H19 Cl N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

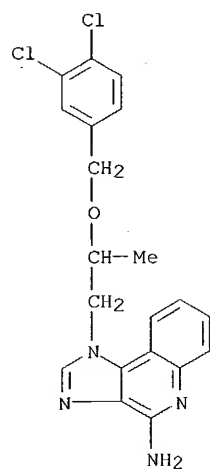


RN 437601-67-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(3,4-dichlorophenyl)methoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

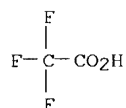
CRN 437601-66-6
CMF C20 H18 Cl2 N4 O

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CM 2

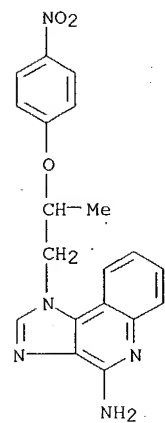
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-69-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(4-nitrophenoxy)propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

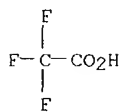
CRN 437601-68-8
CMF C19 H17 N5 O3



CM 2

CRN 76-05-1
CMF C2 H F3 O2

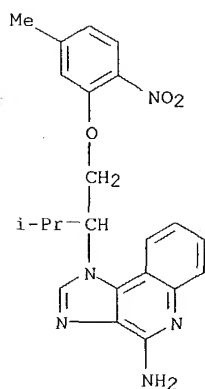
10696753



RN 437601-71-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-1-[(5-methyl-2-nitrophenoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

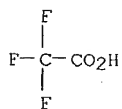
CM 1

CRN 437601-70-2
CMF C22 H23 N5 O3



CM 2

CRN 76-05-1
CMF C2 H F3 O2

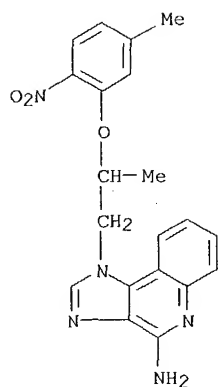


RN 437601-73-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(5-methyl-2-nitrophenoxy)propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-72-4
CMF C20 H19 N5 O3

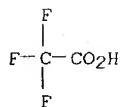
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



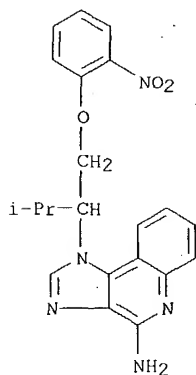
RN 437601-75-7 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-1-[(2-nitrophenoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-74-6

CMF C21 H21 N5 O3

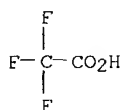


CM 2

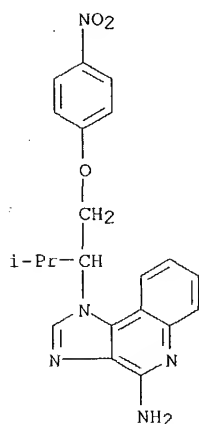
CRN 76-05-1

CMF C2 H F3 O2

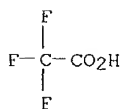
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RN 437601-77-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-1-[(4-nitrophenoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)
CM 1
CRN 437601-76-8
CMF C21 H21 N5 O3

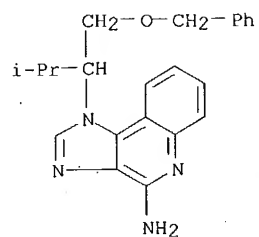


CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-79-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-1-[(phenylmethoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)
CM 1
CRN 437601-78-0
CMF C22 H24 N4 O

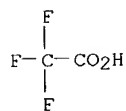
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



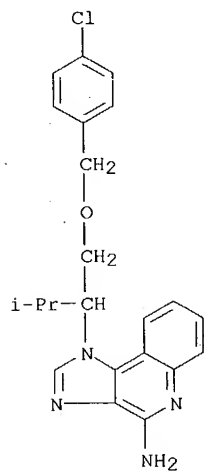
RN 437601-81-5 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[(4-chlorophenyl)methoxy]methyl]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-80-4

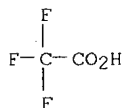
CMF C22 H23 Cl N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2

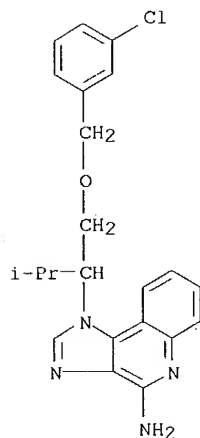


10696753

RN 437601-83-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[(3-chlorophenyl)methoxy]methyl]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

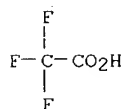
CM 1

CRN 437601-82-6
CMF C22 H23 Cl N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

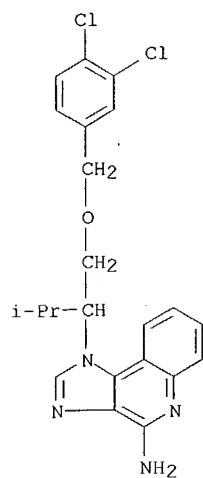


RN 437601-85-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[[(3,4-dichlorophenyl)methoxy]methyl]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-84-8
CMF C22 H22 Cl2 N4 O

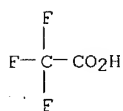
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



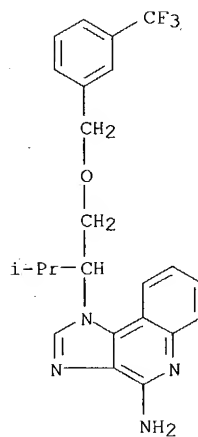
RN 437601-87-1 CAPLUS

CM 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-methyl-1-[[[3-(trifluoromethyl)phenyl]methoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-86-0

CMF C23 H23 F3 N4 O

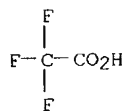


CM 2

CRN 76-05-1

10696753

CMF C2 H F3 O2



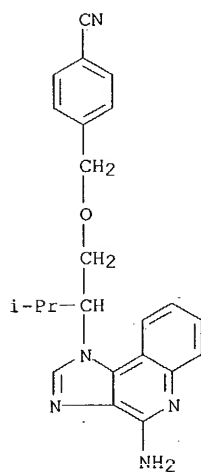
RN 437601-89-3 CAPLUS

CN Benzonitrile, 4-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)-3-methylbutoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-88-2

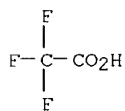
CMF C23 H23 N5 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437601-91-7 CAPLUS

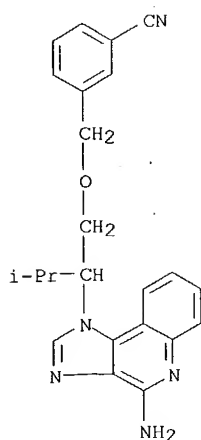
CN Benzonitrile, 3-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)-3-methylbutoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-90-6

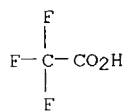
CMF C23 H23 N5 O

10696753



CM 2

CRN 76-05-1
CMF C2 H F3 O2

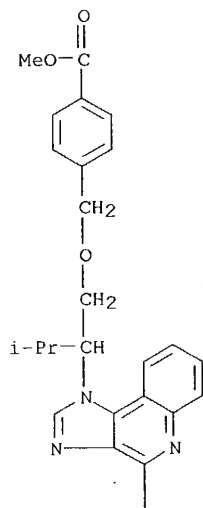


RN 437601-93-9 CAPLUS
CN Benzoic acid, 4-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)-3-methylbutoxy]methyl]-, methyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437601-92-8
CMF C24 H26 N4 O3

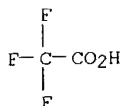
PAGE 1-A





CM 2

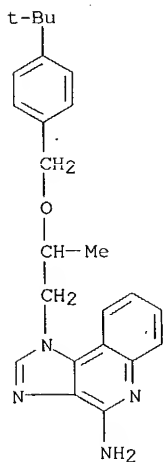
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-95-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[4-(1,1-dimethylethyl)phenyl]methoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

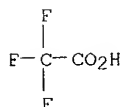
CM 1

CRN 437601-94-0
CMF C24 H28 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

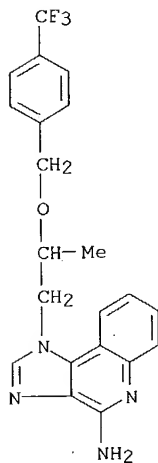


RN 437601-97-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[4-(trifluoromethyl)phenyl]methoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

10696753

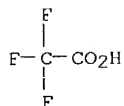
CM 1

CRN 437601-96-2
CMF C21 H19 F3 N4 O



CM 2

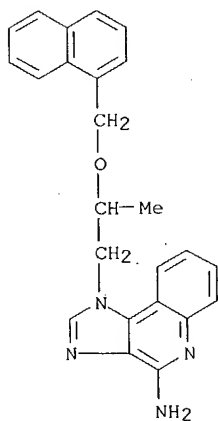
CRN 76-05-1
CMF C2 H F3 O2



RN 437601-99-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(1-naphthalenylmethoxy)propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

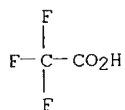
CRN 437601-98-4
CMF C24 H22 N4 O



10696753

CM 2

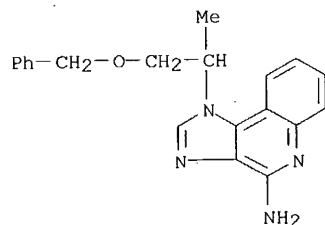
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-01-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-methyl-2-(phenylmethoxy)ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

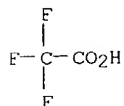
CM 1

CRN 437602-00-1
CMF C20 H20 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2



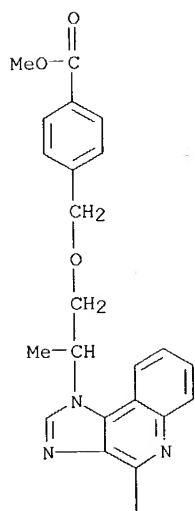
RN 437602-03-4 CAPLUS
CN Benzoic acid, 4-[[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)propoxy]methyl]-, methyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-02-3
CMF C22 H22 N4 O3

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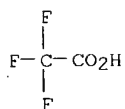


PAGE 2-A



CM 2

CRN 76-05-1
CMF C2 H F3 O2

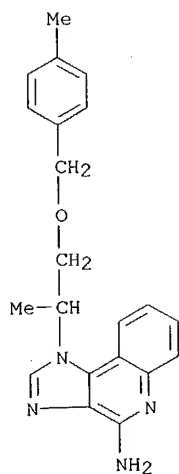


RN 437602-05-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-methyl-2-[(4-methylphenyl)methoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-04-5
CMF C21 H22 N4 O

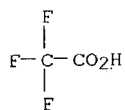
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



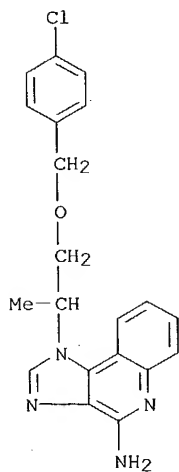
RN 437602-07-8 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[(4-chlorophenyl)methoxy]-1-methylethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-06-7

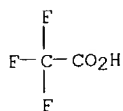
CMF C20 H19 Cl N4 O



CM 2

10696753

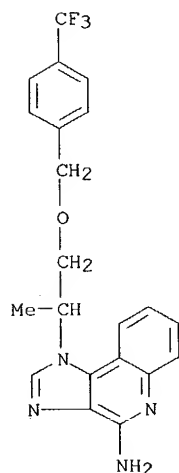
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-09-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-methyl-2-[[4-(trifluoromethyl)phenyl]methoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

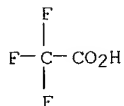
CM 1

CRN 437602-08-9
CMF C21 H19 F3 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

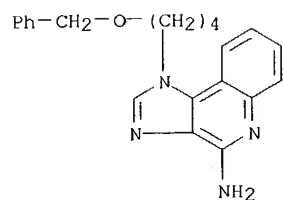


RN 437602-11-4 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(phenylmethoxy)butyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

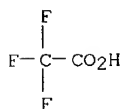
CRN 437602-10-3
CMF C21 H22 N4 O

10696753



CM 2

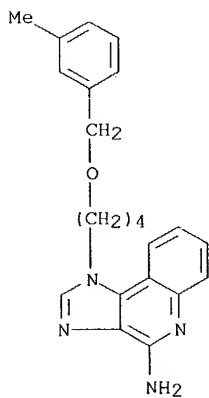
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-13-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-[(3-methylphenyl)methoxy]butyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

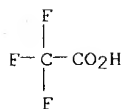
CM 1

CRN 437602-12-5
CMF C22 H24 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

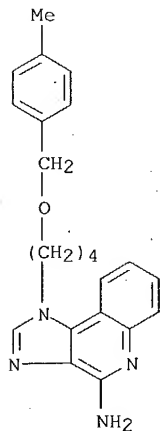


RN 437602-15-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-[(4-methylphenyl)methoxy]butyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

10696753

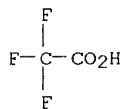
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CRN 437602-14-7
CMF C22 H24 N4 O



CM 2

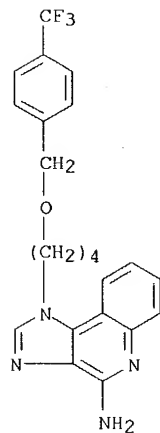
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-17-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-[[4-(trifluoromethyl)phenyl]methoxy]butyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

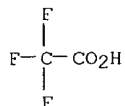
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10696753

CM 2

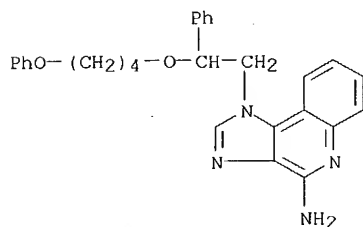
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-19-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(4-phenoxybutoxy)-2-phenylethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

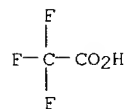
CM 1

CRN 437602-18-1
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CM 2

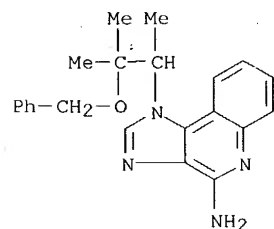
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-21-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1,2-dimethyl-2-(phenylmethoxy)propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-20-5
CMF C22 H24 N4 O

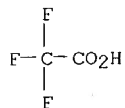


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CM 2

CRN 76-05-1

CMF C2 H F3 O2



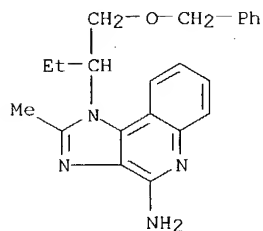
RN 437602-23-8 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[1-
[(phenylmethoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX
NAME)

CM 1

CRN 437602-22-7

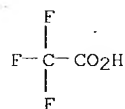
CMF C22 H24 N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



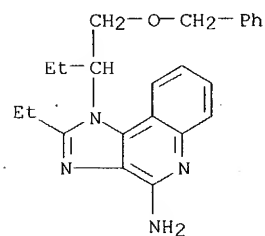
RN 437602-25-0 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[1-
[(phenylmethoxy)methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX
NAME)

CM 1

CRN 437602-24-9

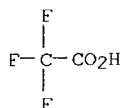
CMF C23 H26 N4 O



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CM 2

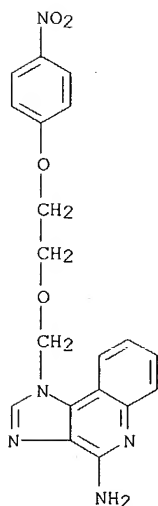
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-27-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[[2-(4-nitrophenoxy)ethoxy)methyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

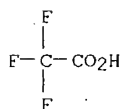
CM 1

CRN 437602-26-1
CMF C19 H17 N5 O4



CM 2

CRN 76-05-1
CMF C2 H F3 O2

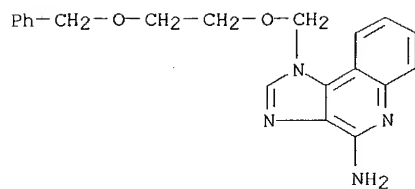


RN 437602-29-4 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[[2-(phenylmethoxy)ethoxy)methyl]-,
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

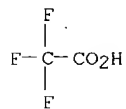
CRN 437602-28-3
CMF C20 H20 N4 O2

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CM 2

CRN 76-05-1
CMF C2 H F3 O2

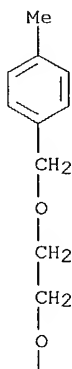


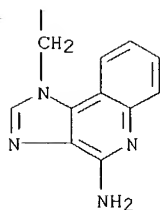
RN 437602-31-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[[2-[(4-methylphenyl)methoxy]ethoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-30-7
CMF C21 H22 N4 O2

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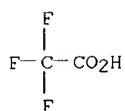




CM 2

CRN 76-05-1

CMF C2 H F3 O2



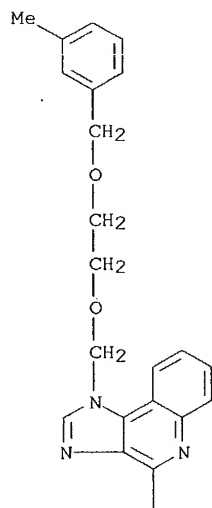
RN 437602-33-0 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[[2-[(3-methylphenyl)methoxy]ethoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-32-9

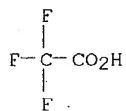
CMF C21 H22 N4 O2



CM 2

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CRN 76-05-1
CMF C2 H F3 O2

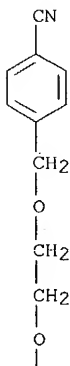


RN 437602-35-2 CAPLUS
CN Benzonitrile, 4-[[2-[(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)methoxy]ethoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

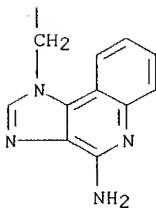
CM 1

CRN 437602-34-1
CMF C21 H19 N5 O2

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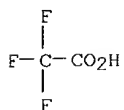
PAGE 2-A



CM 2

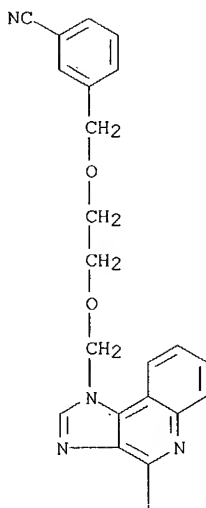
CRN 76-05-1
CMF C2 H F3 O2

10696753



RN 437602-37-4 CAPLUS
CN Benzonitrile, 3-[[2-[(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)methoxy]ethoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)
CM 1
CRN 437602-36-3
CMF C21 H19 N5 O2

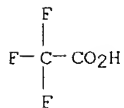
PAGE 1-A



PAGE 2-A



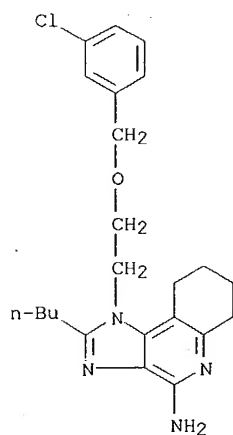
CM 2
CRN 76-05-1
CMF C2 H F3 O2



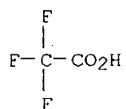
RN 437602-39-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-[(3-chlorophenyl)methoxy]ethyl]-6,7,8,9-tetrahydro-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)
CM 1

10696753

CRN 437602-38-5
CMF C23 H29 Cl N4 O

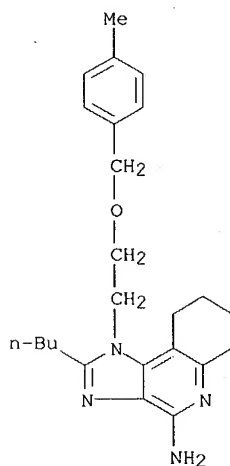


CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-41-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-6,7,8,9-tetrahydro-1-[2-[(4-methylphenyl)methoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1
CRN 437602-40-9
CMF C24 H32 N4 O

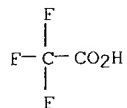


10696753

CM 2

CRN 76-05-1

CMF C2 H F3 O2



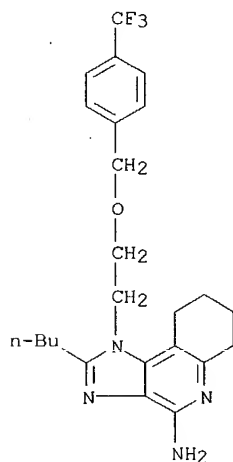
RN 437602-43-2 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-6,7,8,9-tetrahydro-1-[2-[[4-(trifluoromethyl)phenyl]methoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-42-1

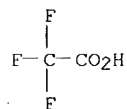
CMF C24 H29 F3 N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437602-45-4 CAPLUS

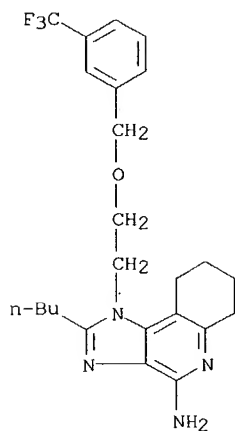
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-6,7,8,9-tetrahydro-1-[2-[[3-(trifluoromethyl)phenyl]methoxy]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-44-3

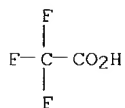
CMF C24 H29 F3 N4 O

10696753



CM 2

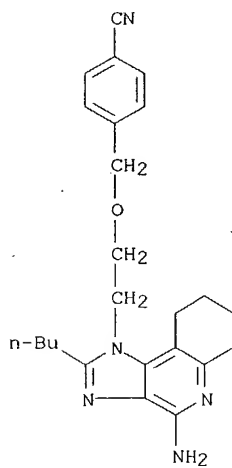
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-47-6 CAPLUS
CN Benzonitrile, 4-[[2-(4-amino-2-butyl-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-46-5
CMF C24 H29 N5 O

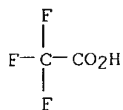


CM 2

CRN 76-05-1

10696753

CMF C2 H F3 O2



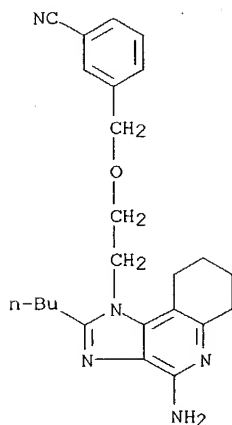
RN 437602-49-8 CAPLUS

CN Benzonitrile, 3-[[2-(4-amino-2-butyl-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy)methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-48-7

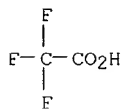
CMF C24 H29 N5 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 437602-51-2 CAPLUS

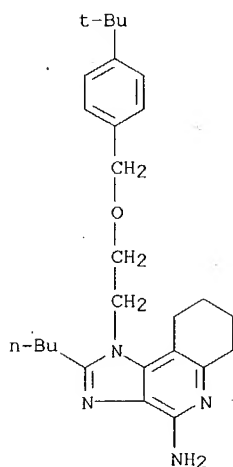
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-[[4-(1,1-dimethylethyl)phenyl]methoxy]ethyl]-6,7,8,9-tetrahydro-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-50-1

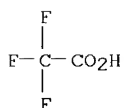
CMF C27 H38 N4 O

10696753



CM 2

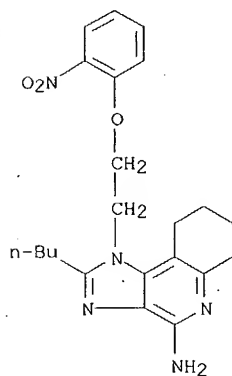
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-53-4 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-6,7,8,9-tetrahydro-1-[2-(2-nitrophenoxy)ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

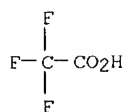
CRN 437602-52-3
CMF C22 H27 N5 O3



CM 2

CRN 76-05-1
CMF C2 H F3 O2

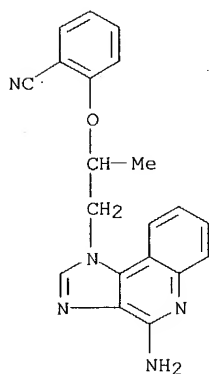
10696753



RN 437602-55-6 CAPLUS
CN Benzonitrile, 2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)-1-methylethoxy]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

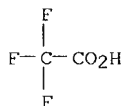
CM 1

CRN 437602-54-5
CMF C20 H17 N5 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

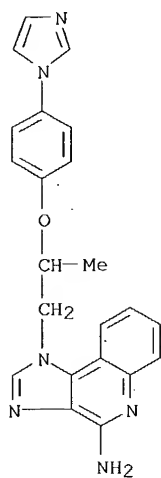


RN 437602-57-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[4-(1H-imidazol-1-yl)phenoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-56-7
CMF C22 H20 N6 O

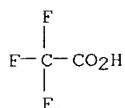
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



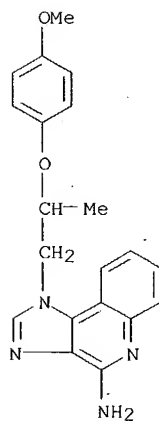
RN 437602-59-0 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(4-methoxyphenoxy)propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-58-9

CMF C20 H20 N4 O2

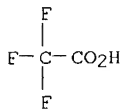


CM 2

CRN 76-05-1

CMF C2 H F3 O2

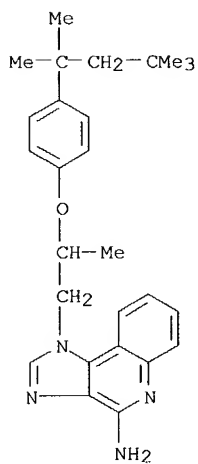
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RN 437602-61-4 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

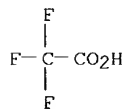
CM 1

CRN 437602-60-3
CMF C27 H34 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

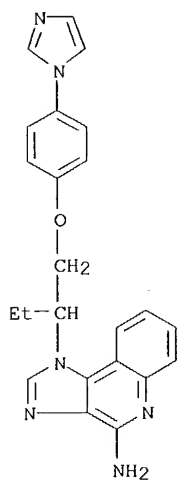


RN 437602-63-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[4-(1H-imidazol-1-yl)phenoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-62-5
CMF C23 H22 N6 O

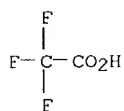
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



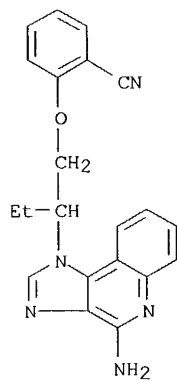
RN 437602-65-8 CAPLUS

CN Benzonitrile, 2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-64-7

CMF C21 H19 N5 O

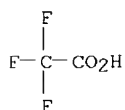


CM 2

CRN 76-05-1

CMF C2 H F3 O2

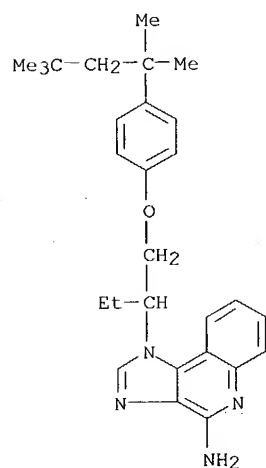
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RN 437602-67-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-[[4-(1,1,3,3-tetramethylbutyl)phenoxy]methyl]propyl]-, mono(trifluoroacetate) (9CI)
(CA INDEX NAME)

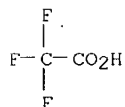
CM 1

CRN 437602-66-9
CMF C28 H36 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

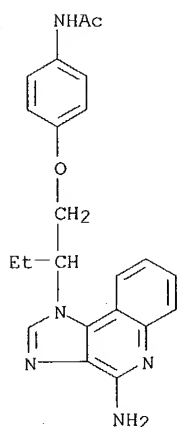


RN 437602-69-2 CAPLUS
CN Acetamide, N-[4-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

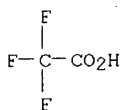
CRN 437602-68-1
CMF C22 H23 N5 O2

10696753

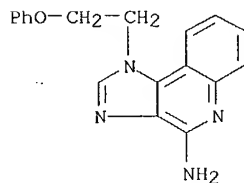


CM 2

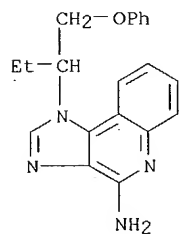
CRN 76-05-1
CMF C2 H F3 O2



RN 437602-70-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-(2-phenoxyethyl)- (9CI) (CA INDEX NAME)



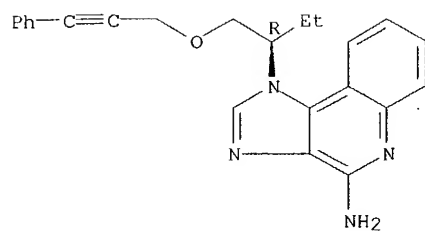
RN 437602-71-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[1-(phenoxyethyl)propyl]- (9CI) (CA INDEX NAME)



RN 437602-73-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[(1R)-1-[(3-phenyl-2-propynyl)oxy]methyl]propyl]- (9CI) (CA INDEX NAME)

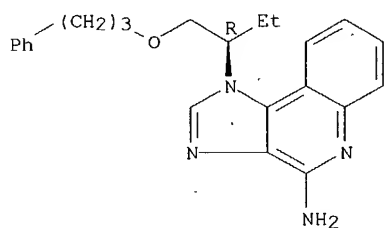
Absolute stereochemistry.

10696753



RN 437602-74-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[(1R)-1-[(3-phenylpropoxy)methyl]propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

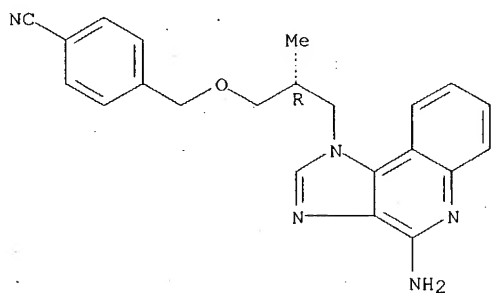


RN 437602-76-1 CAPLUS
CN Benzonitrile, 4-[[[(2R)-3-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)-2-methylpropoxy)methyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

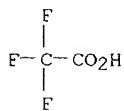
CRN 437602-75-0
CMF C22 H21 N5 O

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 437602-78-3 CAPLUS

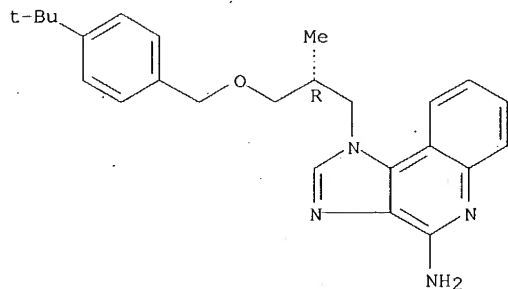
10696753

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[(2R)-3-[[4-(1,1-dimethylethyl)phenyl]methoxy]-2-methylpropyl]-, mono(trifluoroacetate)
(9CI) (CA INDEX NAME)

CM 1

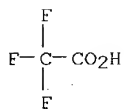
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CMF C25 H30 N4 O

Absolute stereochemistry.



CM 2

CRN 76-05-1
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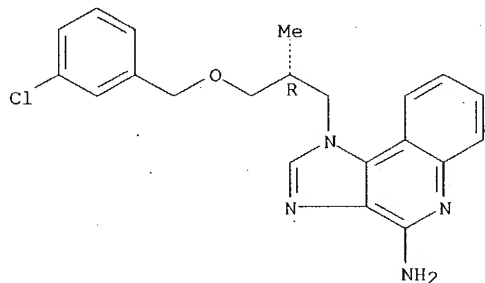


RN 437602-80-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[(2R)-3-[(3-chlorophenyl)methoxy]-2-methylpropyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 437602-79-4
CMF C21 H21 Cl N4 O

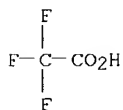
Absolute stereochemistry.



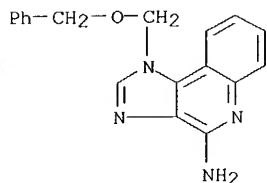
CM 2

CRN 76-05-1
CMF C2 H F3 O2

10696753



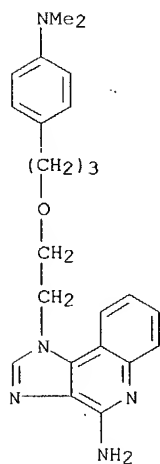
RN 437602-81-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[(phenylmethoxy)methyl]- (9CI) (CA INDEX NAME)



RN 437602-83-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[3-[4-(dimethylamino)phenyl]propoxy]ethyl]-, trifluoroacetate (2:3) (9CI) (CA INDEX NAME)

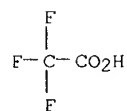
CM 1

CRN 437602-82-9
CMF C23 H27 N5 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

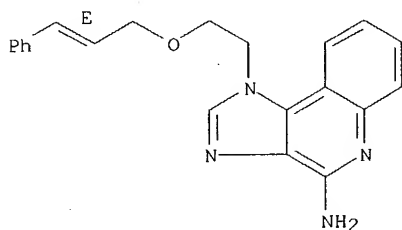


RN 437602-84-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[2E)-3-phenyl-2-

10696753

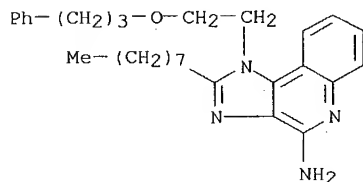
propenyl]oxy]ethyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



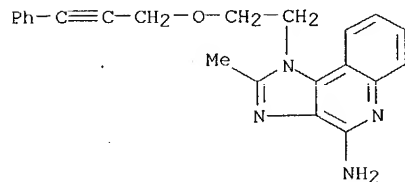
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-octyl-1-[2-(3-phenylpropoxy)ethyl]- (9CI) (CA INDEX NAME)



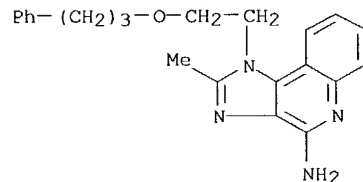
RN 437602-87-4 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[2-[(3-phenyl-2-propynyl)oxy]ethyl]- (9CI) (CA INDEX NAME)



RN 437602-88-5 CAPLUS

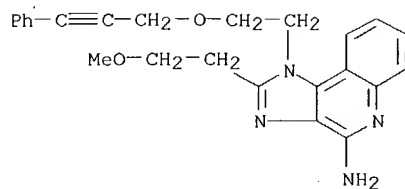
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[2-(3-phenylpropoxy)ethyl]- (9CI) (CA INDEX NAME)



RN 437602-89-6 CAPLUS

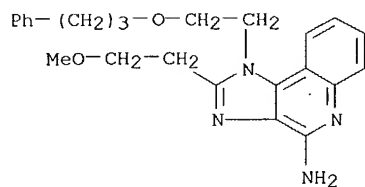
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(2-methoxyethyl)-1-[2-[(3-phenyl-2-propynyl)oxy]ethyl]- (9CI) (CA INDEX NAME)

10696753



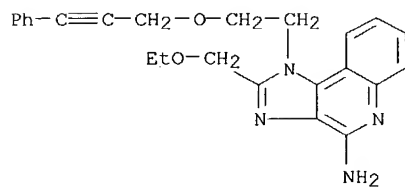
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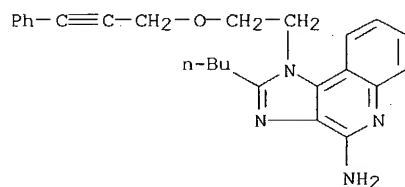
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(ethoxymethyl)-1-[2-[(3-phenyl-2-propynyl)oxy]ethyl]- (9CI) (CA INDEX NAME)



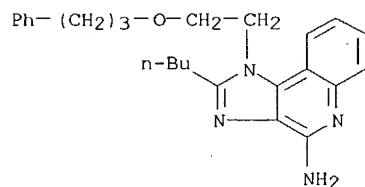
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-[(3-phenyl-2-propynyl)oxy]ethyl]- (9CI) (CA INDEX NAME)



RN 437602-93-2 CAPLUS

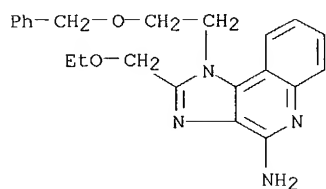
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-(3-phenylpropoxy)ethyl]- (9CI) (CA INDEX NAME)



RN 437602-94-3 CAPLUS

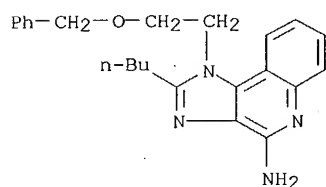
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(ethoxymethyl)-1-[2-(phenylmethoxy)ethyl]- (9CI) (CA INDEX NAME)



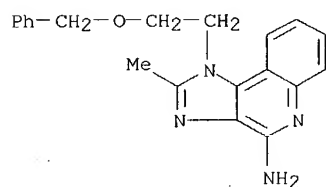
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-(phenylmethoxy)ethyl]- (9CI) (CA INDEX NAME)



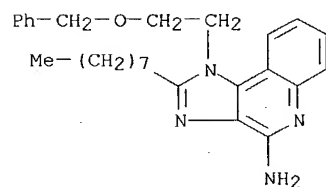
RN 437602-96-5 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[2-(phenylmethoxy)ethyl]- (9CI) (CA INDEX NAME)



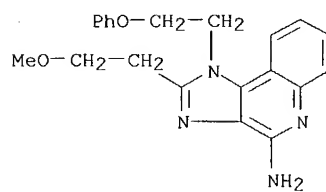
RN 437602-97-6 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-octyl-1-[2-(phenylmethoxy)ethyl]- (9CI) (CA INDEX NAME)



RN 437602-98-7 CAPLUS

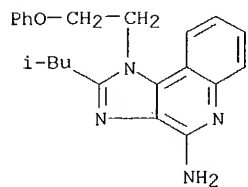
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(2-methoxyethyl)-1-(2-phenoxyethyl)- (9CI) (CA INDEX NAME)



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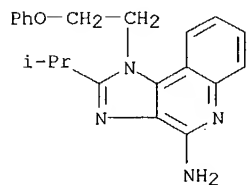
RN 437602-99-8 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(2-methylpropyl)-1-(2-phenoxyethyl)-
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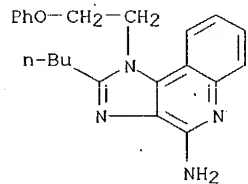
RN 437603-00-4 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(1-methylethyl)-1-(2-phenoxyethyl)-
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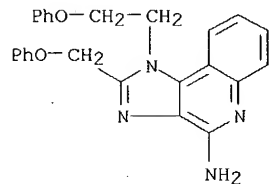
RN 437603-01-5 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-(2-phenoxyethyl)- (9CI) (CA
INDEX NAME)



RN 437603-02-6 CAPLUS

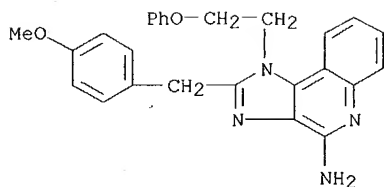
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-(2-phenoxyethyl)-2-(phenoxyethyl)-
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RN 437603-03-7 CAPLUS

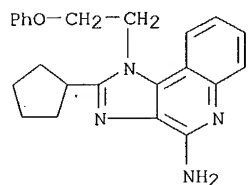
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-[(4-methoxyphenyl)methyl]-1-(2-
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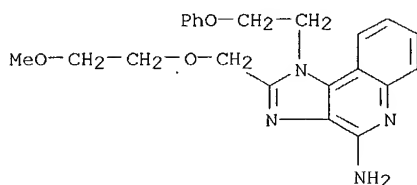
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-cyclopentyl-1-(2-phenoxyethyl)- (9CI)
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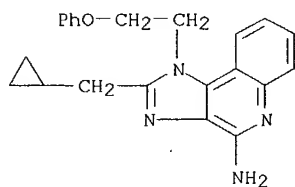
RN 437603-05-9 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-[(2-methoxyethoxy)methyl]-1-(2-phenoxyethyl)- (9CI) (CA INDEX NAME)



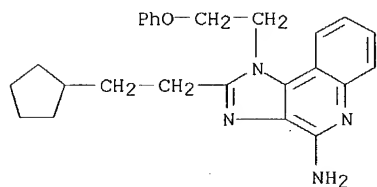
RN 437603-06-0 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(cyclopropylmethyl)-1-(2-phenoxyethyl)- (9CI) (CA INDEX NAME)



RN 437603-07-1 CAPLUS

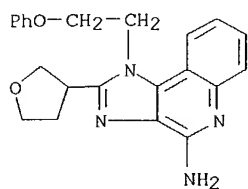
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(2-cyclopentylethyl)-1-(2-phenoxyethyl)- (9CI) (CA INDEX NAME)



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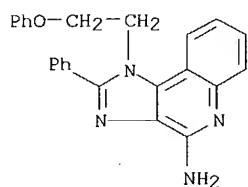
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-(2-phenoxyethyl)-2-(tetrahydro-3-furanyl)- (9CI) (CA INDEX NAME)



RN 437603-09-3 CAPLUS

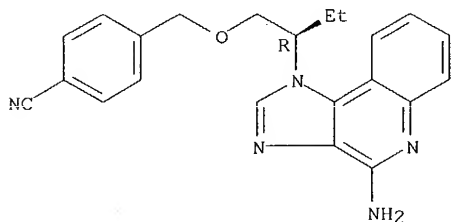
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-(2-phenoxyethyl)-2-phenyl- (9CI) (CA INDEX NAME)



RN 437603-10-6 CAPLUS

CN Benzonitrile, 4-[[[(2R)-2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy)methyl]- (9CI) (CA INDEX NAME)

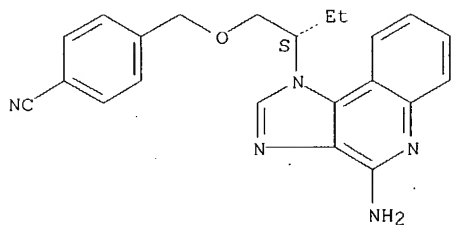
Absolute stereochemistry.



RN 437603-11-7 CAPLUS

CN Benzonitrile, 4-[[[(2S)-2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

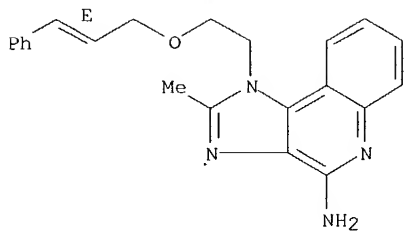


RN 437603-13-9 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[2-[[[(2E)-3-phenyl-2-propenyl]oxy]ethyl]- (9CI) (CA INDEX NAME)

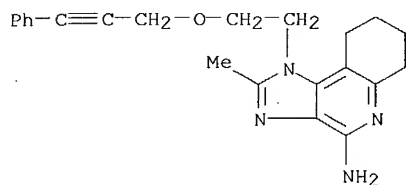
Double bond geometry as shown.

10696753



RN 437603-14-0 CAPLUS

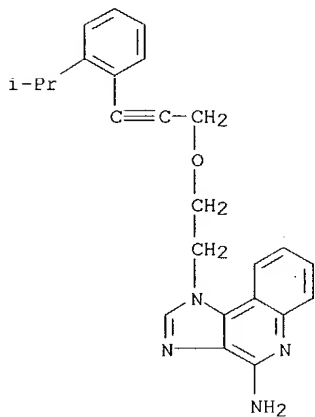
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 6,7,8,9-tetrahydro-2-methyl-1-[2-[(3-phenyl-2-propynyl)oxy]ethyl]-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

RN 437603-21-9 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[3-[2-(1-methylethyl)phenyl]-2-propynyl]oxy]ethyl]- (9CI) (CA INDEX NAME)



IT 437603-34-4P 437603-36-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

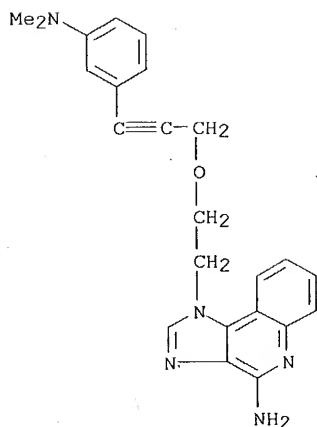
(Reactant or reagent)

(preparation of aryl ether substituted imidazoquinolines as immune response modifiers)

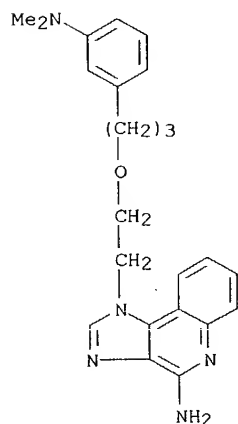
RN 437603-34-4 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[[3-[3-(dimethylamino)phenyl]-2-propynyl]oxy]ethyl]- (9CI) (CA INDEX NAME)

10696753



RN 437603-36-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-[3-[(dimethylamino)phenyl]propoxy]ethyl]- (9CI) (CA INDEX NAME)



L6 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:449679 CAPLUS
DN 137:33295
TI Preparation of amido ether substituted imidazoquinolines as immune response modifiers
IN Crooks, Stephen L.; Griesgraber, George W.; Heppner, Philip D.; Merrill, Bryon A.
PA 3M Innovative Properties Company, USA
SO PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 11

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046188	A2	20020613	WO 2001-US46359	20011206
	WO 2002046188	A3	20030313		
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,				

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BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

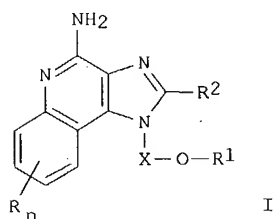
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US 6664260	B2	20031216		
EP 1341792	A2	20030910	EP 2001-992005	20011206

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

EE 200300268	A	20031015	EE 2003-268	20011206
NO 2003002451	A	20030716	NO 2003-2451	20030528
US 2004072858	A1	20040415	US 2003-675833	20030930

PRAI US 2000-254218P P 20001208
US 2001-11921 A1 20011206
WO 2001-US46359 W 20011206

OS MARPAT 137:33295
GI



AB The title compds. [I; X = (CH₂)₂, CH(Et)CH₂, etc.; R₁ = (CH₂)₄CONMePh, (CH₂)₂NHCO(cyclohexyl), (CH₂)₂NHCO(1-naphthyl), etc.; R₂ = H, alkyl, alkenyl, etc.; R = alkyl, alkoxy, OH, halo, CF₃; n = 0-4] and their pharmaceutically acceptable salts that contain ether and amide functionality at the 1-position, and are useful as immune response modifiers, were prepared. Thus, reacting 2-(1H-imidazo[4,5-c]quinolin-1-yl)ethanol with 5-bromo-N-methyl-N-phenylpentamide followed by treatment of the resulting N-oxide product with trichloroacetyl isocyanate in CH₂Cl₂, and then treating the intermediate with NaOMe/MeOH afforded I [X = (CH₂)₂; R₁ = (CH₂)₄CONMePh; R₂ = H; n = 0] which showed interferon α induction at 3.33 μ M. The compds. I can induce the biosynthesis of various cytokines, and are useful in the treatment of a variety of conditions, including viral diseases and neoplastic diseases.

IT 436855-82-2P 436855-84-4P 436855-87-7P
436855-91-3P 436855-95-7P 436855-97-9P
436856-00-7P 436856-02-9P 436856-03-0P
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436856-08-5P 436856-09-6P 436856-10-9P
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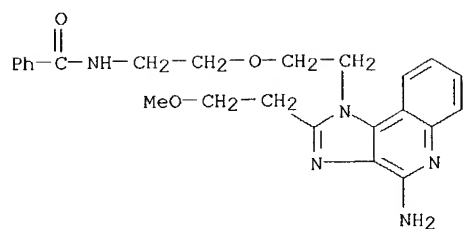
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amido ether substituted imidazoquinolines as immune response modifiers)

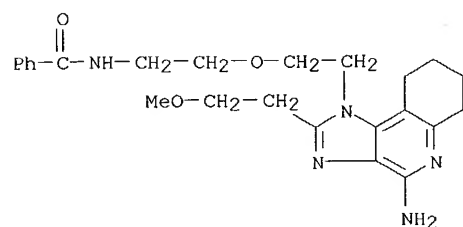
RN 436855-82-2 CAPLUS

CN Benzamide, N-[2-[2-[4-amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]- (9CI) (CA INDEX NAME)

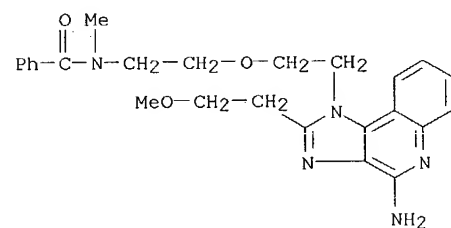
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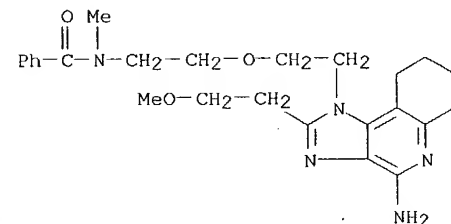
RN 436855-84-4 CAPLUS
CN Benzamide, N-[2-[2-[4-amino-6,7,8,9-tetrahydro-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]- (9CI) (CA INDEX NAME)



RN 436855-87-7 CAPLUS
CN Benzamide, N-[2-[2-[4-amino-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]-N-methyl- (9CI) (CA INDEX NAME)

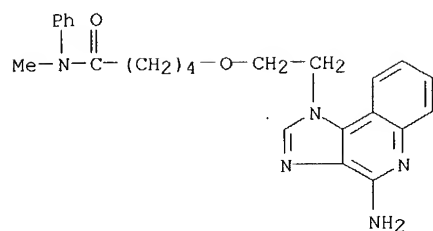


RN 436855-91-3 CAPLUS
CN Benzamide, N-[2-[2-[4-amino-6,7,8,9-tetrahydro-2-(2-methoxyethyl)-1H-imidazo[4,5-c]quinolin-1-yl]ethoxy]ethyl]-N-methyl- (9CI) (CA INDEX NAME)

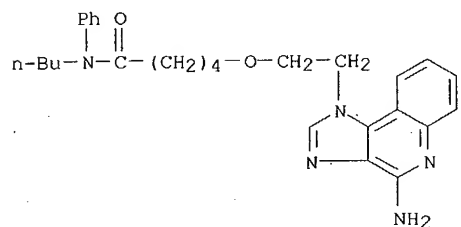


RN 436855-95-7 CAPLUS
CN Pentanamide, 5-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]-N-methyl-N-phenyl- (9CI) (CA INDEX NAME)

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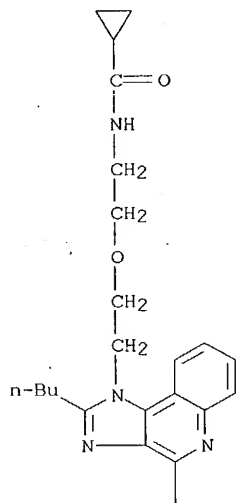


RN 436855-97-9 CAPLUS
CN Pentanamide, 5-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]-N-butyl-N-phenyl- (9CI) (CA INDEX NAME)



RN 436856-00-7 CAPLUS
CN Cyclopropanecarboxamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)

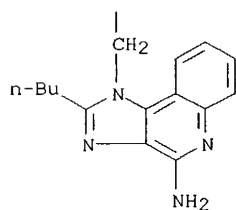
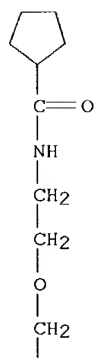
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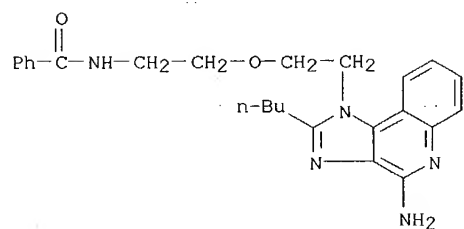
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NH₂

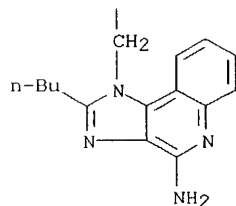
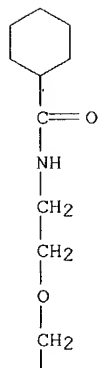
RN 436856-02-9 CAPLUS
CN Cyclopentanecarboxamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)



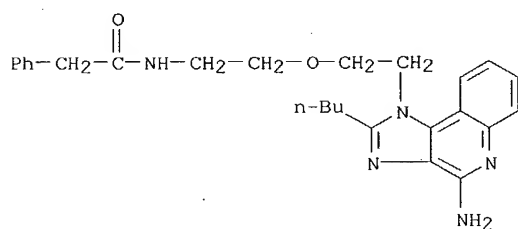
RN 436856-03-0 CAPLUS
 CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)



RN 436856-04-1 CAPLUS
 CN Cyclohexanecarboxamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)



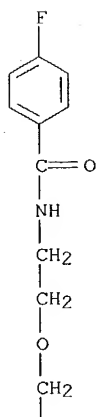
RN 436856-05-2 CAPLUS
 CN Benzeneacetamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)



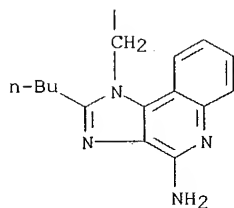
RN 436856-06-3 CAPLUS
 CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-fluoro- (9CI) (CA INDEX NAME)

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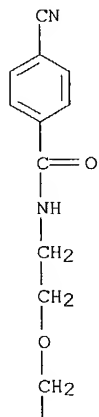


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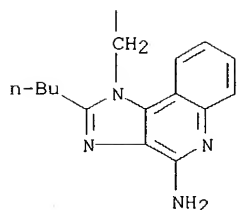
RN 436856-08-5 CAPLUS
CN Benamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-cyano- (9CI) (CA INDEX NAME)

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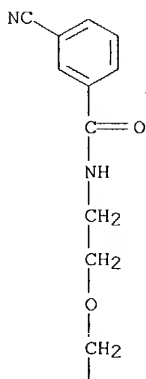
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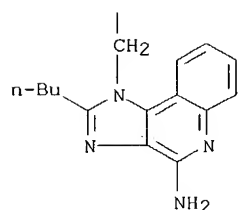


RN 436856-09-6 CAPLUS
CN Benamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-3-cyano- (9CI) (CA INDEX NAME)

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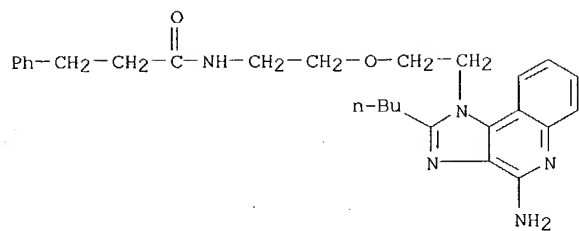


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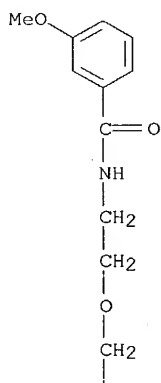
RN 436856-10-9 CAPLUS
CN Benzenepropanamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)

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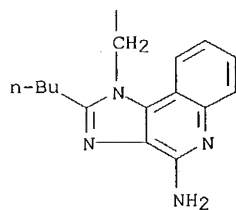


RN 436856-11-0 CAPLUS
CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-3-methoxy- (9CI) (CA INDEX NAME)

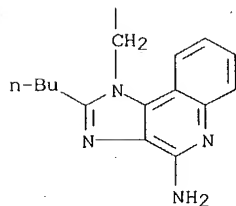
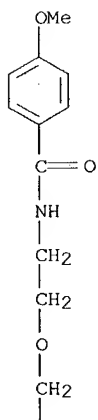
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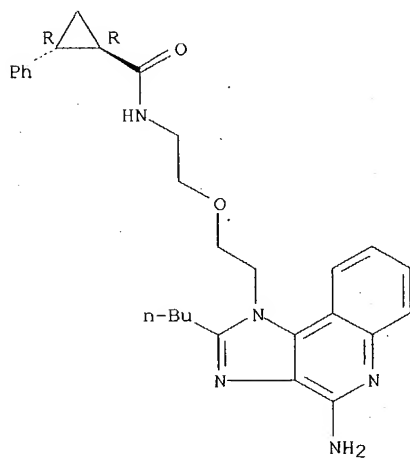
RN 436856-12-1 CAPLUS
CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-methoxy- (9CI) (CA INDEX NAME)



RN 436856-14-3 CAPLUS

CN Cyclopropanecarboxamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-2-phenyl-, (1R,2R)-rel- (9CI) (CA INDEX NAME)

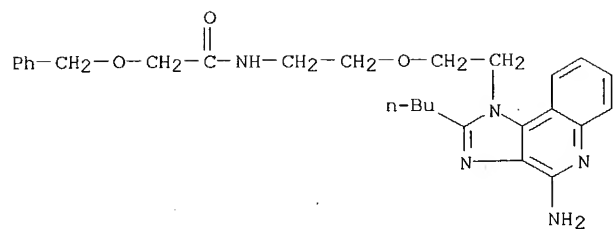
Relative stereochemistry.



RN 436856-15-4 CAPLUS

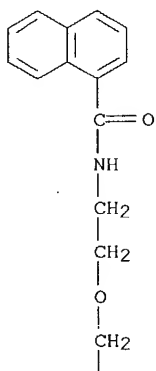
CN Acetamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-2-(phenylmethoxy)- (9CI) (CA INDEX NAME)

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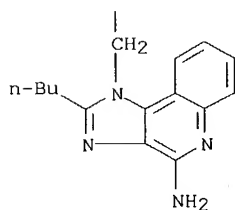


RN 436856-16-5 CAPLUS
CN 1-Naphthalenecarboxamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)

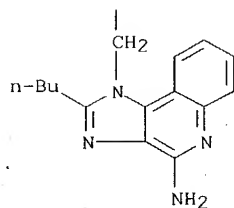
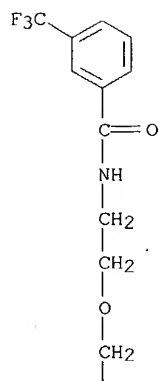
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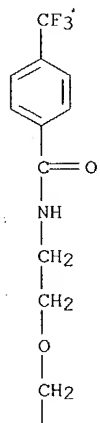
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RN 436856-17-6 CAPLUS
CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

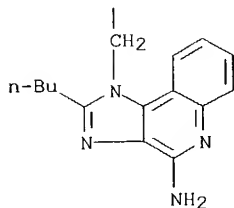


RN 436856-18-7 CAPLUS
CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



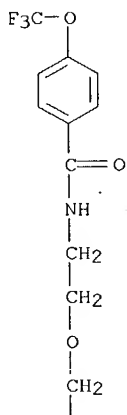
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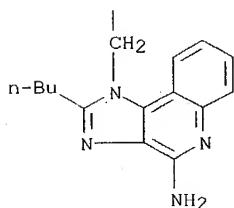


RN 436856-19-8 CAPLUS
CN Benzamide, N-[2-[2-(4-amino-2-butyl-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)

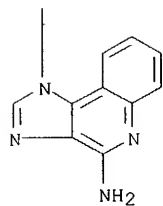
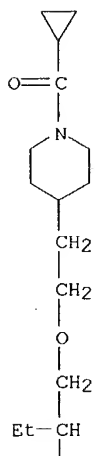
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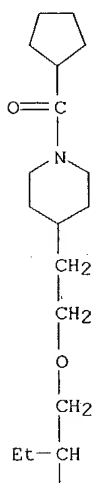
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RN 436856-20-1 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-1-(cyclopropylcarbonyl)- (9CI) (CA INDEX NAME)

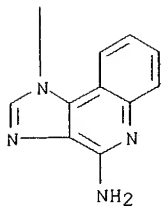


RN 436856-22-3 CAPLUS
 CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
 1-(cyclopentylcarbonyl)- (9CI) (CA INDEX NAME)



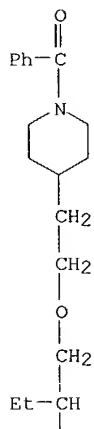
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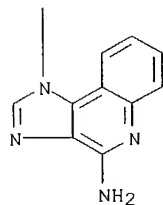


RN 436856-23-4 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
1-benzoyl- (9CI) (CA INDEX NAME)

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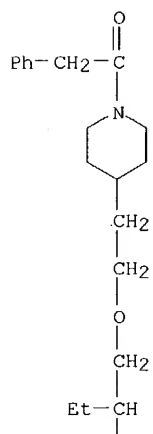
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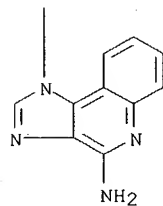
RN 436856-24-5 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
1-(phenylacetyl)- (9CI) (CA INDEX NAME)

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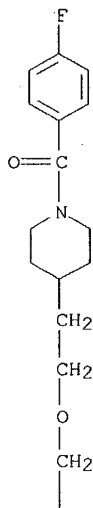


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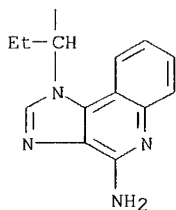
RN 436856-25-6 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
1-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)

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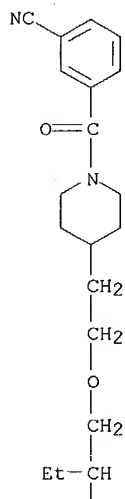
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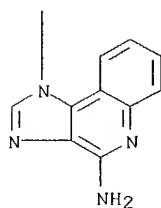


RN 436856-27-8 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
1-(3-cyanobenzoyl)- (9CI) (CA INDEX NAME)

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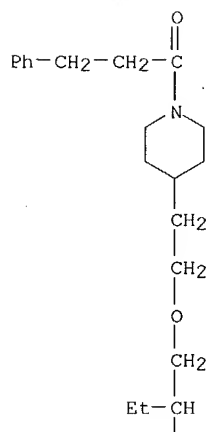
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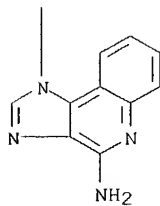
RN 436856-28-9 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
1-(1-oxo-3-phenylpropyl)- (9CI) (CA INDEX NAME)

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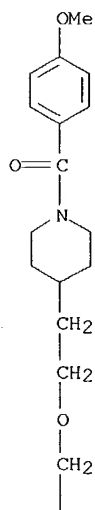


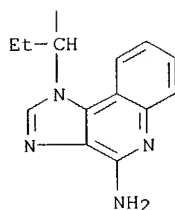
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RN 436856-29-0 CAPLUS
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
1-(4-methoxybenzoyl)- (9CI) (CA INDEX NAME)

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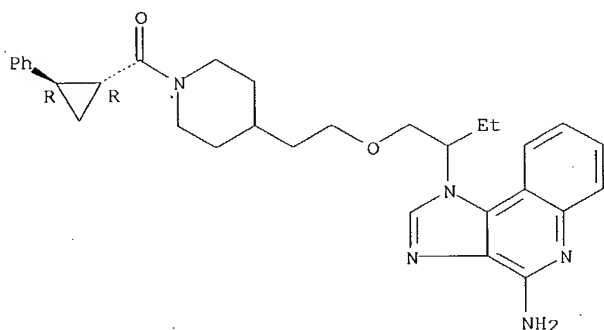




RN 436856-32-5 CAPLUS

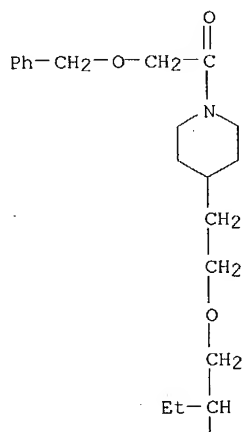
CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-1-[[[(1R,2R)-2-phenylcyclopropyl]carbonyl]-, rel- (9CI) (CA INDEX NAME)

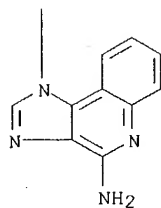
Relative stereochemistry.



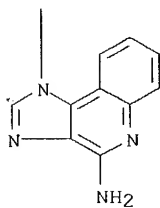
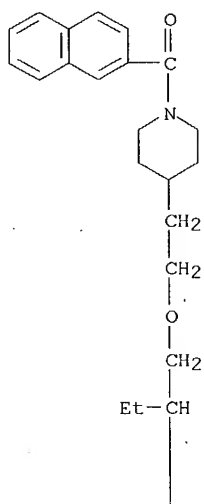
RN 436856-34-7 CAPLUS

CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-1-[(phenylmethoxy)acetyl]- (9CI) (CA INDEX NAME)

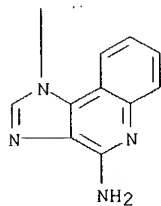
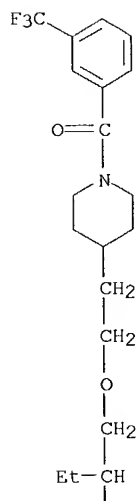




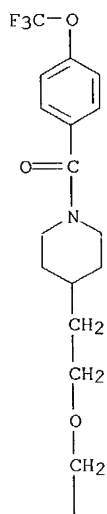
RN 436856-36-9 CAPLUS
 CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
 1-(2-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)

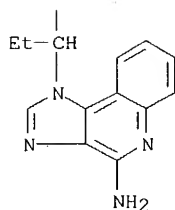


RN 436856-38-1 CAPLUS
 CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
 1-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)

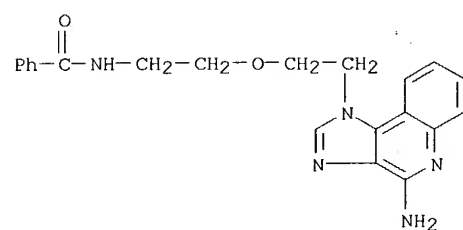


RN 436856-40-5 CAPLUS
 CN Piperidine, 4-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)butoxy]ethyl]-
 1-[4-(trifluoromethoxy)benzoyl]- (9CI) (CA INDEX NAME)



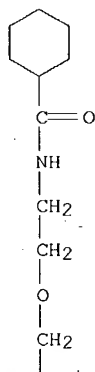


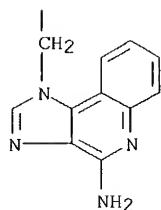
RN 436856-44-9 CAPLUS

CN Benzamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-
(9CI) (CA INDEX NAME)

RN 436856-46-1 CAPLUS

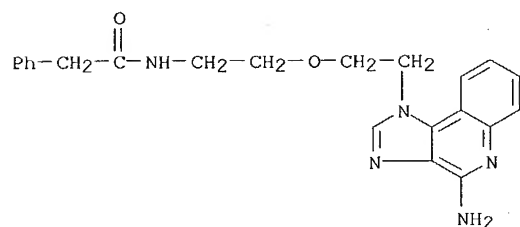
CN Cyclohexanecarboxamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)





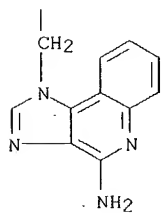
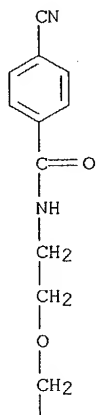
RN 436856-48-3 CAPLUS

CN Benzeneacetamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)



RN 436856-52-9 CAPLUS

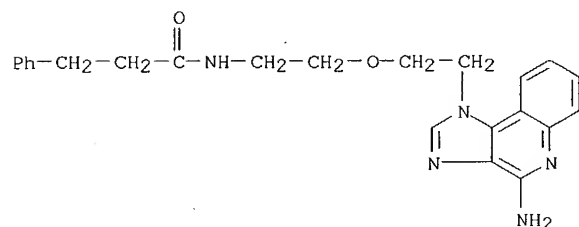
CN Benzamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-cyano- (9CI) (CA INDEX NAME)



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RN 436856-54-1 CAPLUS

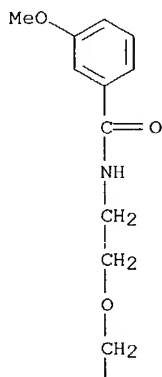
CN Benzenepropanamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]- (9CI) (CA INDEX NAME)



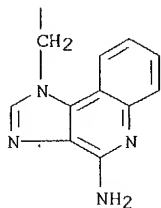
RN 436856-56-3 CAPLUS

CN Benzamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-3-methoxy- (9CI) (CA INDEX NAME)

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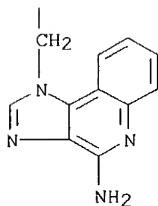
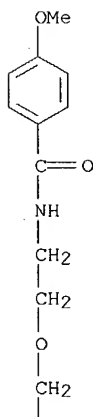


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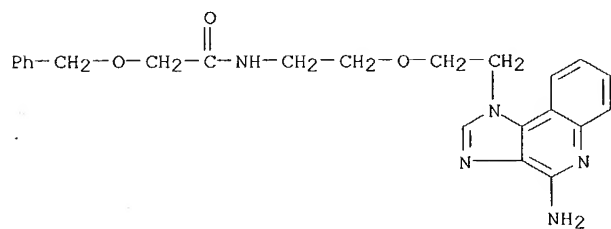


RN 436856-58-5 CAPLUS

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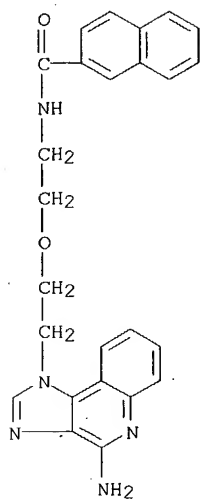


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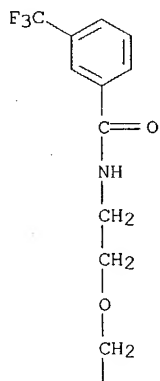
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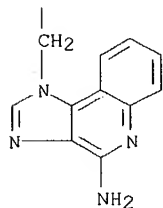


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CN Benzamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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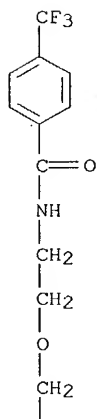
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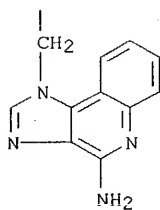
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CN Benzamide, N-[2-[2-(4-amino-1H-imidazo[4,5-c]quinolin-1-yl)ethoxy]ethyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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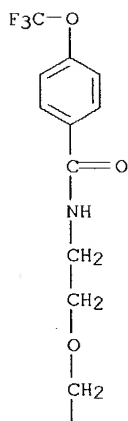


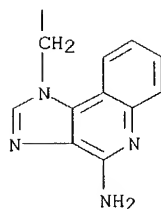
PAGE 2-A



RN 436856-70-1 CAPLUS
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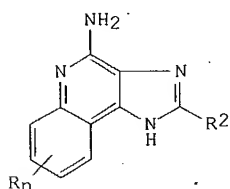
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L6 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1991:122367 CAPLUS
 DN 114:122367
 TI Preparation of 1H-imidazo[4,5-c]quinolin-4-amines as antiviral agents
 IN Gerster, John F.
 PA Riker Laboratories, Inc., USA
 SO Eur. Pat. Appl., 21 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

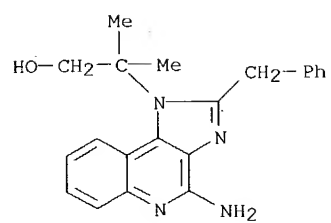
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PI	EP 385630	A2	19900905	EP 1990-301766	19900219
	EP 385630	A3	19920102		
	EP 385630	B1	19961127		
	R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE				
	ES 2094141	T3	19970116	ES 1990-301766	19900219
	CA 2010430	AA	19900827	CA 1990-2010430	19900220
	AU 9050054	A1	19900830	AU 1990-50054	19900222
	AU 630921	B2	19921112		
	JP 03027380	A2	19910205	JP 1990-47117	19900227
	JP 2941336	B2	19990825		
	US 5756747	A	19980526	US 1995-455273	19950531
PRAI	US 1989-316035		19890227		
	US 1993-70262		19930602		
OS	MARPAT 114:122367				
GI					



I

AB Title compds. I (R = C1-4 alkoxy, C1-4 alkyl, halo; n = 0-2; R2 = H, C1-4 alkyl, (substituted) Ph, PhCH2, PhCH2CH2) or a salt thereof, useful as antiviral agents and method for interferon induction (no data), are prepared
 4-Chloro- β , β -dimethyl-2-(phenylmethyl)-1H-imidazo[4,5-c]quinoline-1-ethanol (preparation given) was aminated to give I (Rn = H; R2 = PhCH2).
 IT **132521-53-0**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, in preparation of antiviral agents)
 RN 132521-53-0 CAPLUS
 CN 1H-Imidazo[4,5-c]quinoline-1-ethanol, 4-amino- β , β -dimethyl-2-(phenylmethyl)- (9CI) (CA INDEX NAME)

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